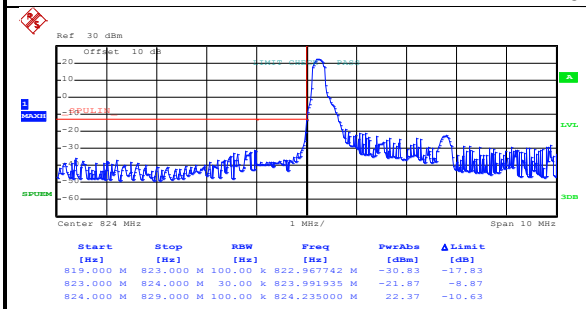
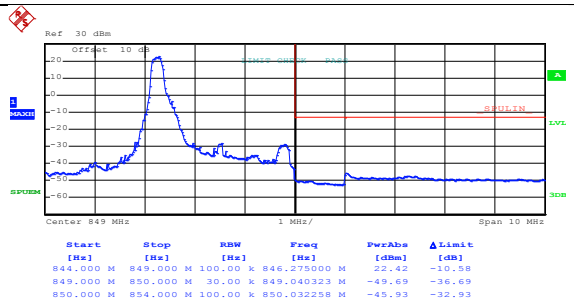
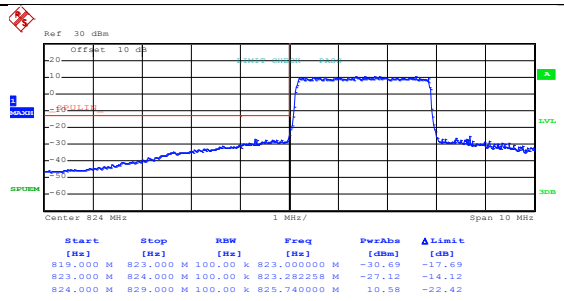
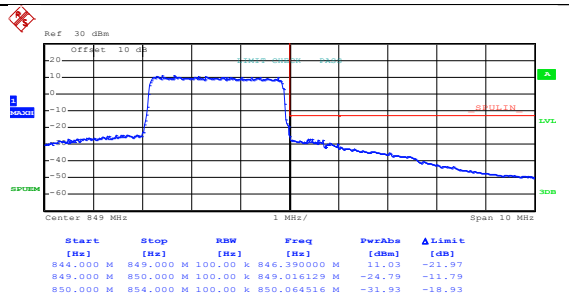
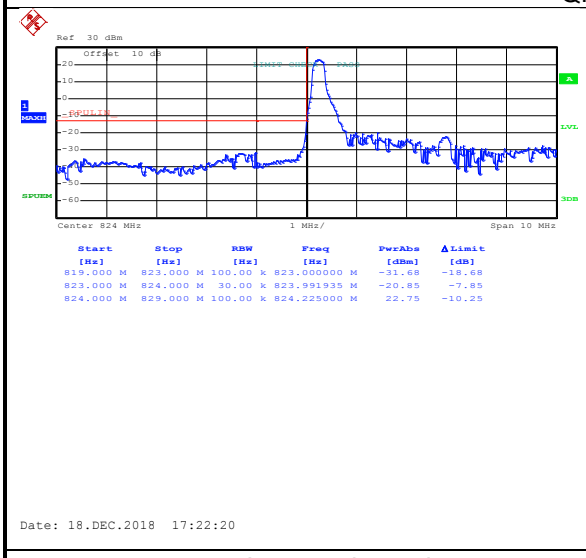
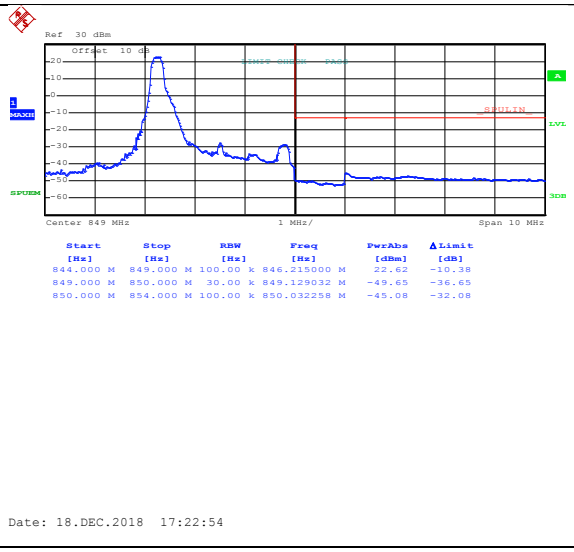
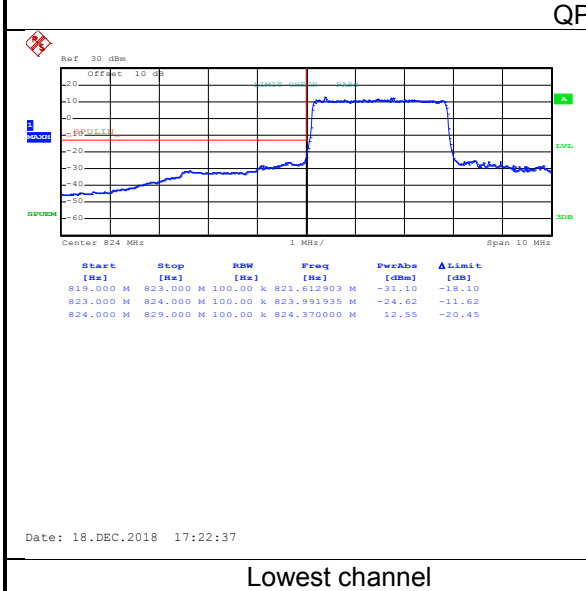
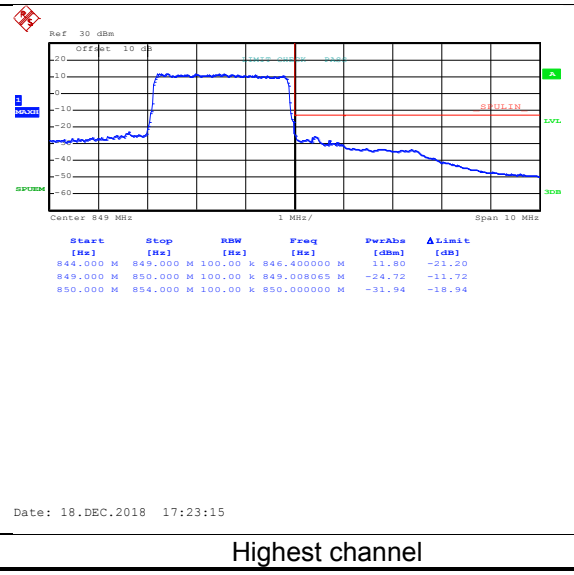
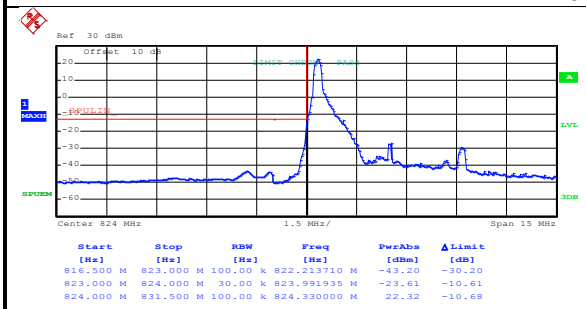
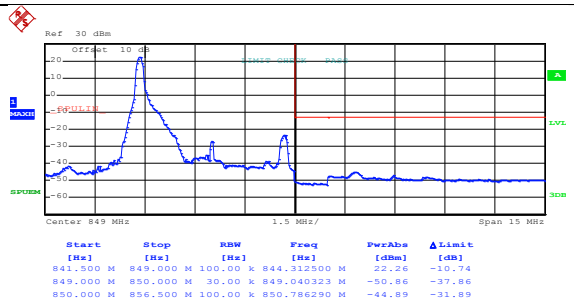
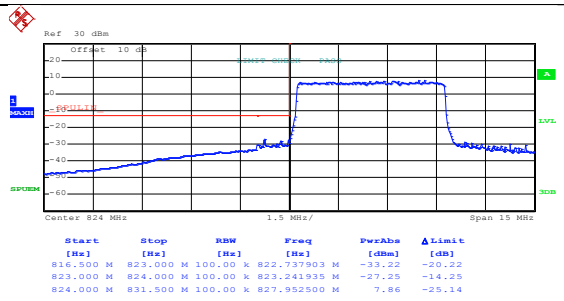
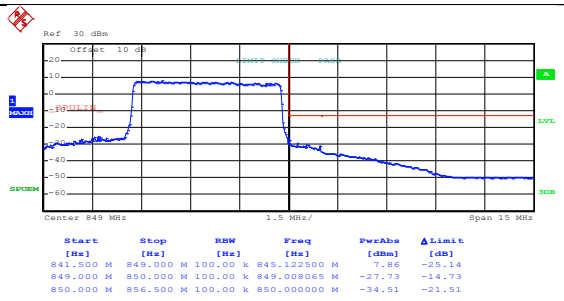
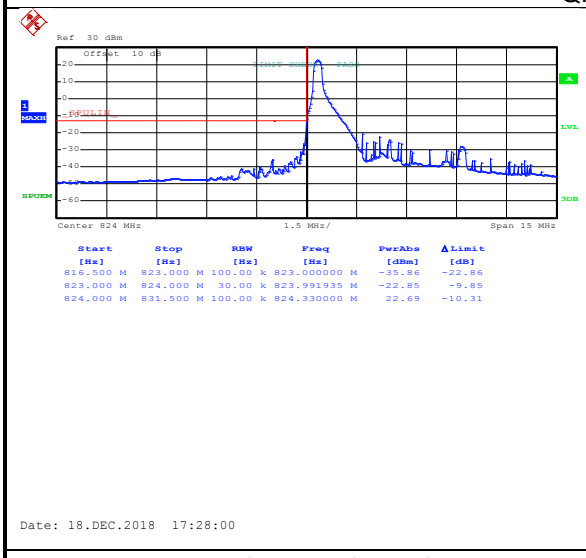
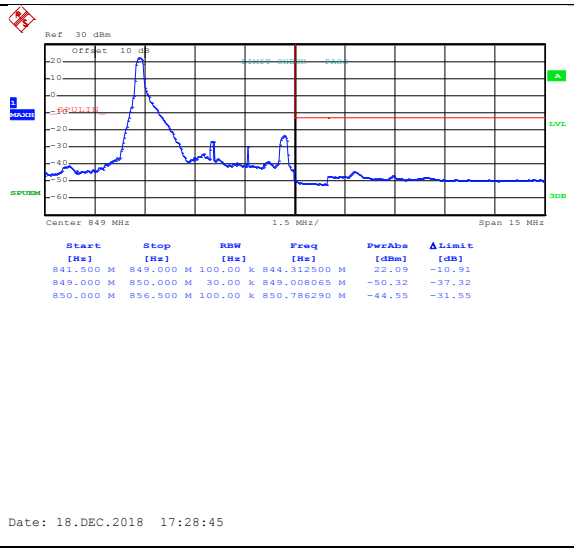
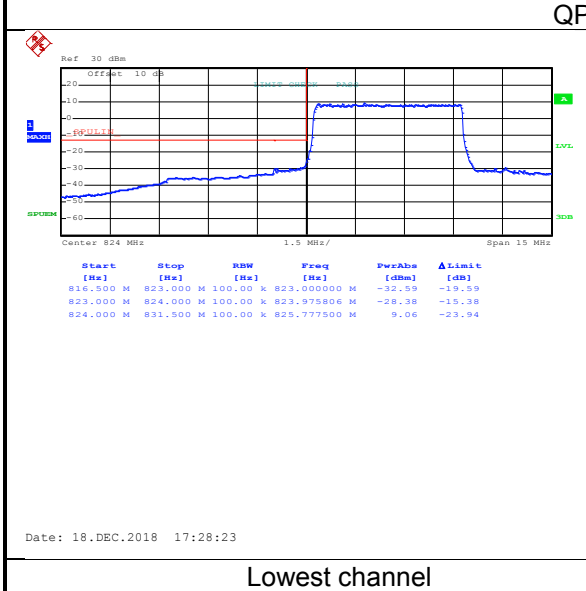
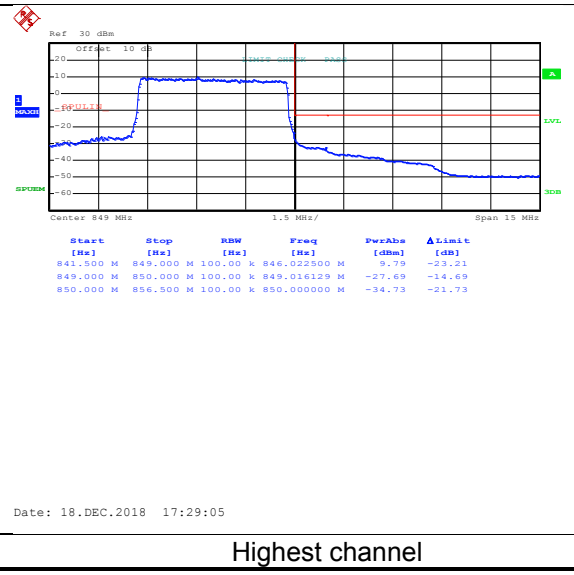
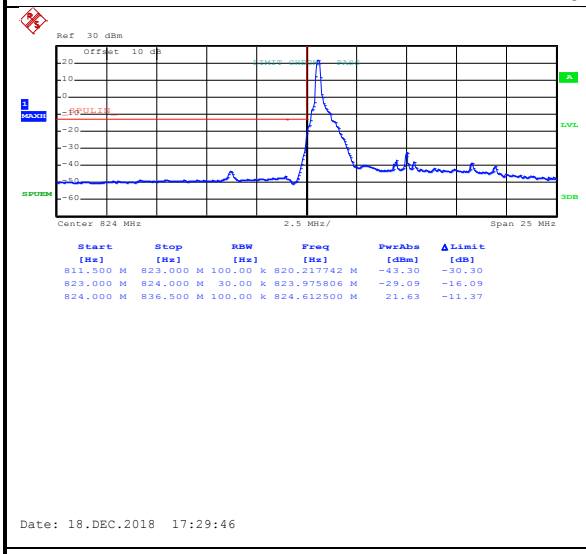
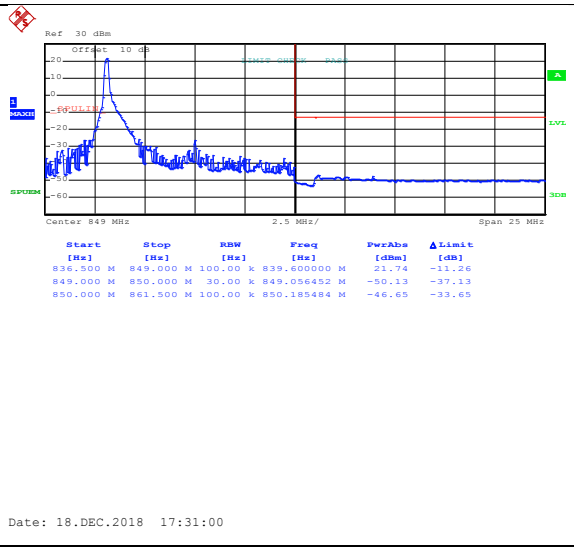
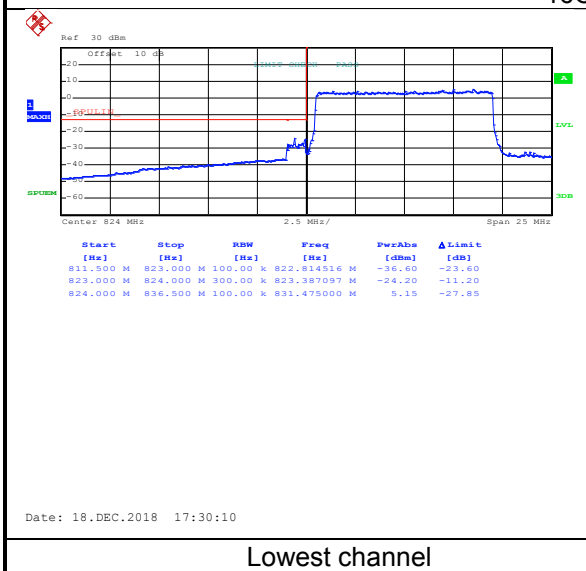
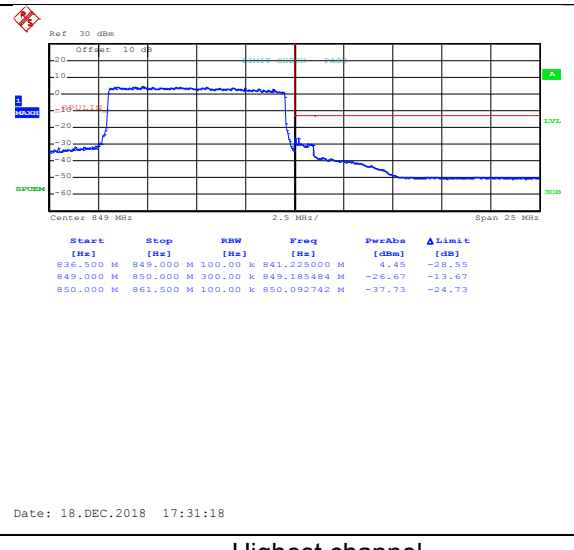
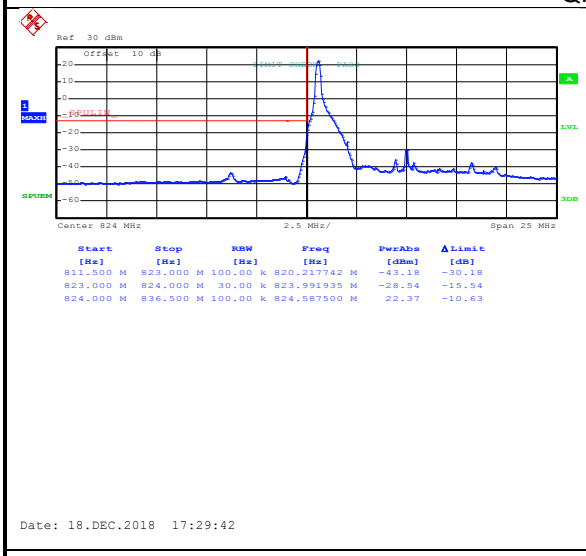
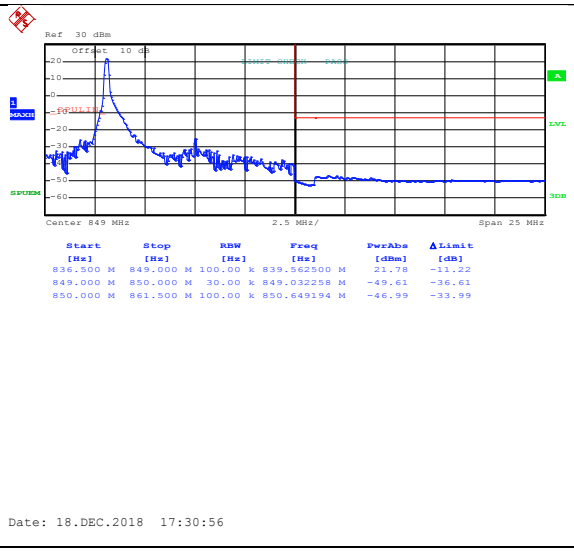
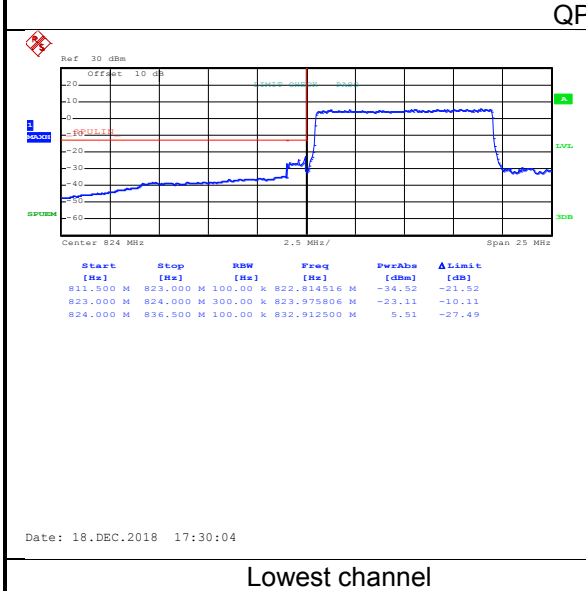
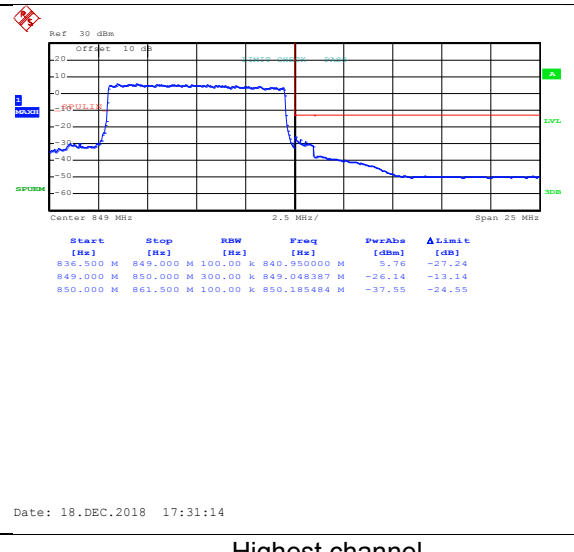
LTE Band 5&26 (part 22H), BW: 3MHz	
16QAM & RB Size 1	
 Start [Hz] / Stop [Hz] / RBW [Hz] / Freq [Hz] / PwrAbs [dBm] / ΔLimit [dB] 819.000 M / 823.000 M / 100.00 k / 822.967742 M / -30.83 / -17.83 823.000 M / 824.000 M / 30.00 k / 823.991935 M / -21.87 / -8.87 824.000 M / 829.000 M / 100.00 k / 824.235000 M / 22.37 / -10.63 Date: 18.DEC.2018 17:22:26	 Start [Hz] / Stop [Hz] / RBW [Hz] / Freq [Hz] / PwrAbs [dBm] / ΔLimit [dB] 844.000 M / 849.000 M / 100.00 k / 846.275000 M / 22.42 / -10.58 849.000 M / 850.000 M / 30.00 k / 849.040323 M / -49.69 / -36.69 850.000 M / 854.000 M / 100.00 k / 850.032258 M / -45.93 / -32.93 Date: 18.DEC.2018 17:22:58
Lowest channel	Highest channel
16QAM & RB Size 15	
 Start [Hz] / Stop [Hz] / RBW [Hz] / Freq [Hz] / PwrAbs [dBm] / ΔLimit [dB] 819.000 M / 823.000 M / 100.00 k / 823.000000 M / -30.69 / -17.69 823.000 M / 824.000 M / 100.00 k / 823.282258 M / -27.12 / -14.12 824.000 M / 829.000 M / 100.00 k / 825.740000 M / 10.58 / -22.42 Date: 18.DEC.2018 17:22:41	 Start [Hz] / Stop [Hz] / RBW [Hz] / Freq [Hz] / PwrAbs [dBm] / ΔLimit [dB] 844.000 M / 849.000 M / 100.00 k / 846.390000 M / 11.03 / -21.97 849.000 M / 850.000 M / 100.00 k / 849.016129 M / -24.79 / -11.79 850.000 M / 854.000 M / 100.00 k / 850.064516 M / -31.93 / -18.93 Date: 18.DEC.2018 17:23:21
Lowest channel	Highest channel

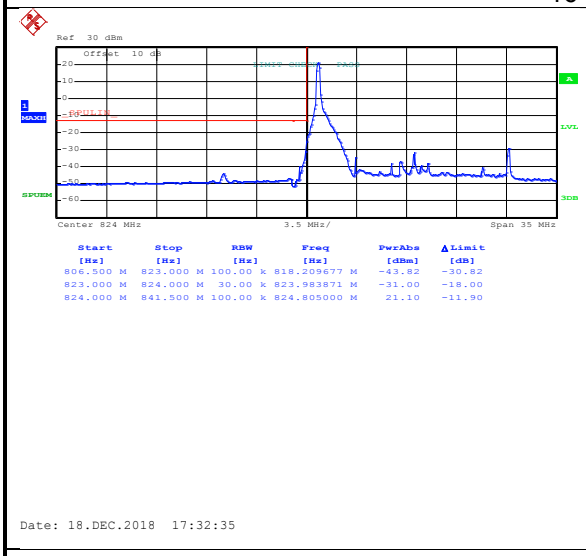
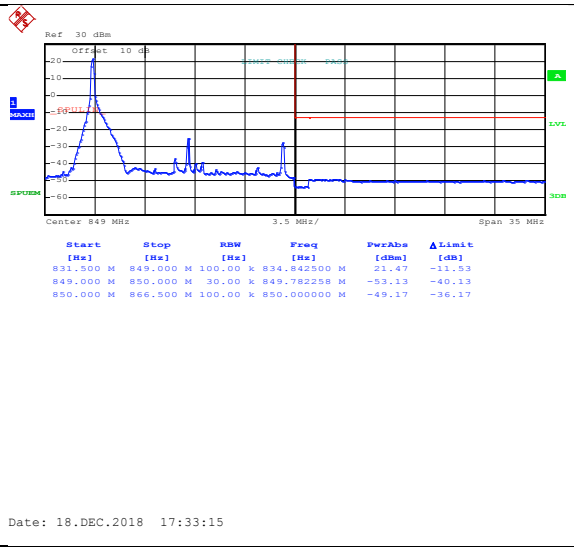
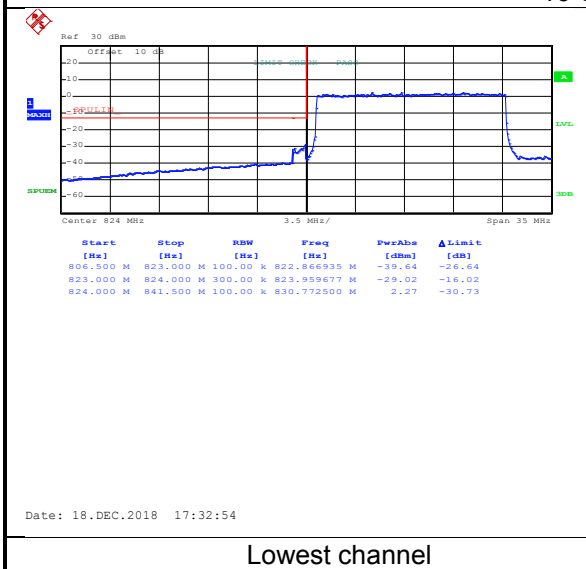
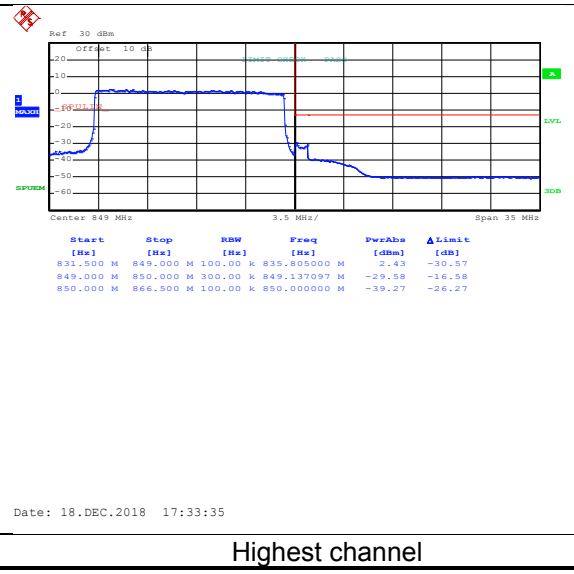
LTE Band 5&26 (part 22H), BW: 3MHz	
QPSK & RB Size 1	
	
Lowest channel	Highest channel
QPSK & RB Size 15	
	
Lowest channel	Highest channel

LTE Band 5&26 (part 22H), BW: 5MHz	
16QAM & RB Size 1	
 Start [Hz] / Stop [Hz] / RBW [Hz] / Freq [Hz] / PwrAbs [dBm] / ΔLimit [dB] 816.500 M / 823.000 M / 100.00 k / 822.213710 M / -43.20 / -30.20 823.000 M / 824.000 M / 30.00 k / 823.991935 M / -23.61 / -10.61 824.000 M / 831.500 M / 100.00 k / 824.330000 M / 22.32 / -10.68 Date: 18.DEC.2018 17:28:05	 Start [Hz] / Stop [Hz] / RBW [Hz] / Freq [Hz] / PwrAbs [dBm] / ΔLimit [dB] 841.500 M / 849.000 M / 100.00 k / 844.312500 M / 22.26 / -10.74 849.000 M / 850.000 M / 30.00 k / 849.040323 M / -50.86 / -37.86 850.000 M / 856.500 M / 100.00 k / 850.786290 M / -44.89 / -31.89 Date: 18.DEC.2018 17:28:50
Lowest channel	Highest channel
16QAM & RB Size 25	
 Start [Hz] / Stop [Hz] / RBW [Hz] / Freq [Hz] / PwrAbs [dBm] / ΔLimit [dB] 816.500 M / 823.000 M / 100.00 k / 822.737903 M / -33.22 / -20.22 823.000 M / 824.000 M / 100.00 k / 823.241935 M / -27.25 / -14.25 824.000 M / 831.500 M / 100.00 k / 827.952500 M / 7.86 / -25.14 Date: 18.DEC.2018 17:28:28	 Start [Hz] / Stop [Hz] / RBW [Hz] / Freq [Hz] / PwrAbs [dBm] / ΔLimit [dB] 841.500 M / 849.000 M / 100.00 k / 845.122500 M / 7.86 / -25.14 849.000 M / 850.000 M / 100.00 k / 849.008065 M / -27.73 / -14.73 850.000 M / 856.500 M / 100.00 k / 850.000000 M / -34.51 / -21.51 Date: 18.DEC.2018 17:29:10
Lowest channel	Highest channel

LTE Band 5&26 (part 22H), BW: 5MHz	
QPSK & RB Size 1	
	
Lowest channel	Highest channel
QPSK & RB Size 25	
	
Lowest channel	Highest channel

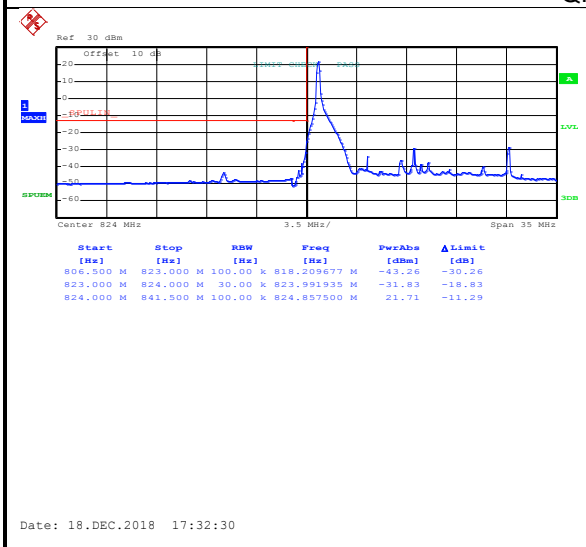
LTE Band 5&26 (part 22H), BW: 10MHz	
16QAM & RB Size 1	
	
Lowest channel	Highest channel
16QAM & RB Size 50	
	
Lowest channel	Highest channel

LTE Band 5&26 (part 22H), BW: 10MHz	
QPSK & RB Size 1	
	
Lowest channel	Highest channel
QPSK & RB Size 50	
	
Lowest channel	Highest channel

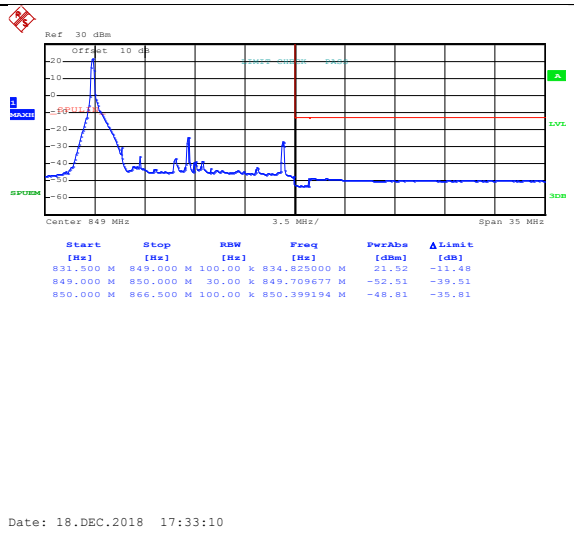
LTE Band 26 (part 22H), BW: 15MHz	
16 QAM & RB Size 1	
	
Lowest channel	Highest channel
16 QAM & RB Size 75	
	
Lowest channel	Highest channel

LTE Band 26 (part 22H), BW: 15MHz

QPSK & RB Size 1

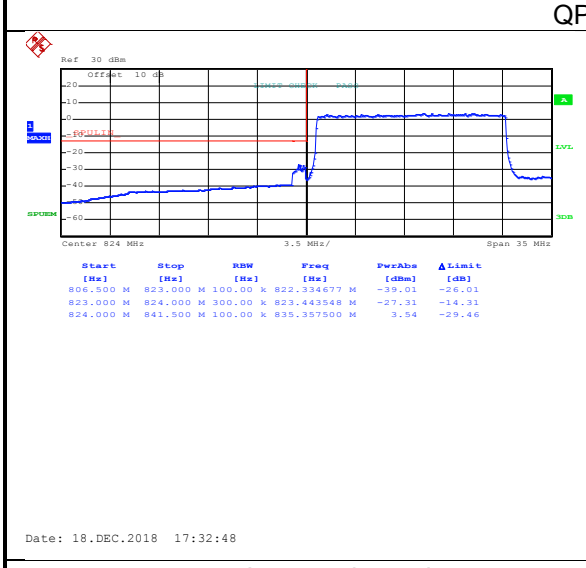


Lowest channel

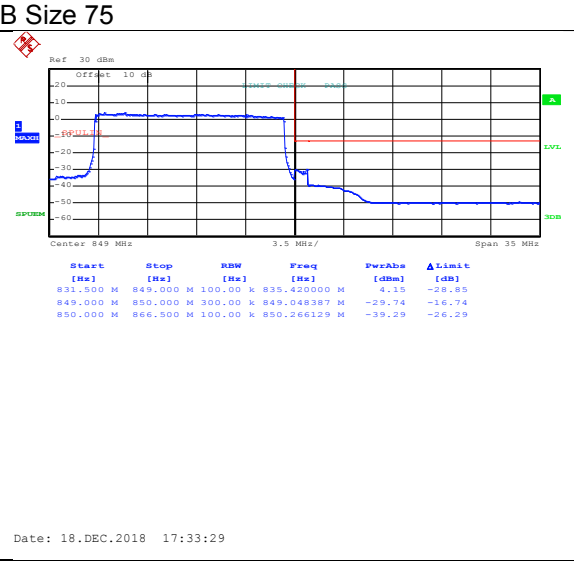


Highest channel

QPSK & RB Size 75

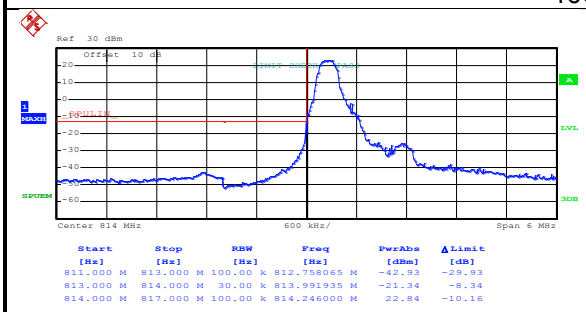
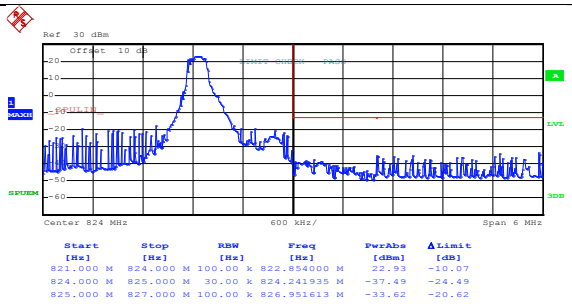
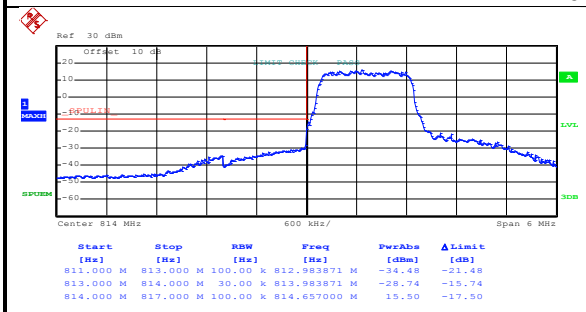
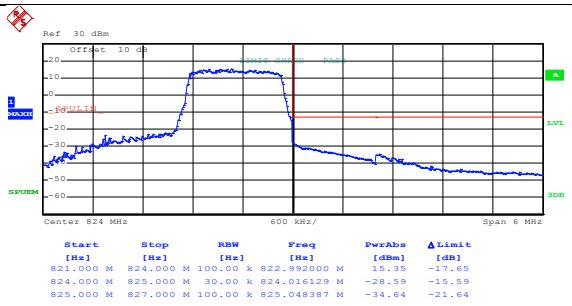


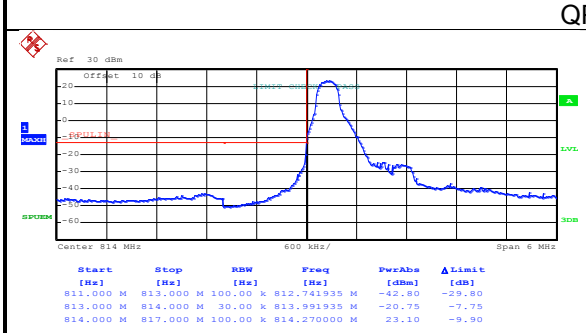
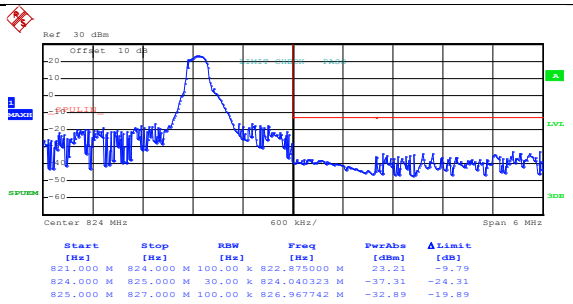
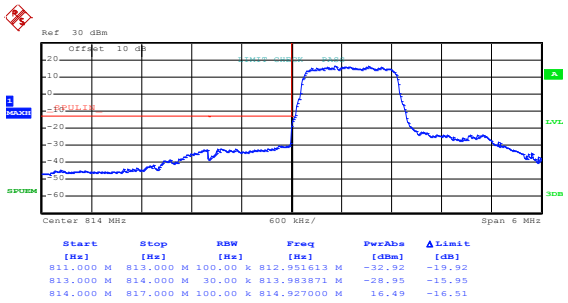
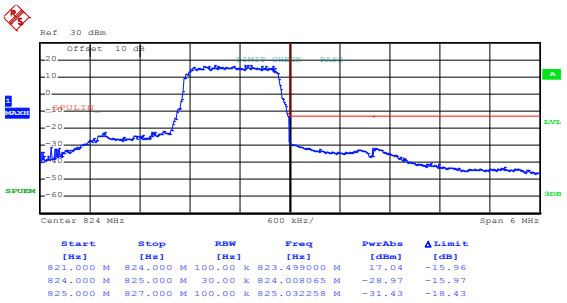
Lowest channel

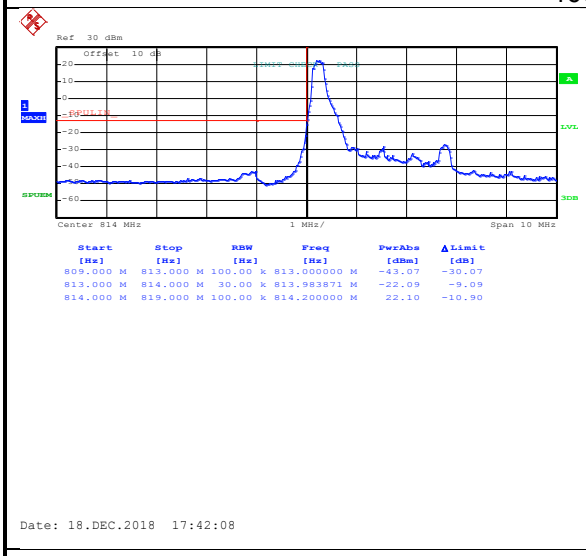
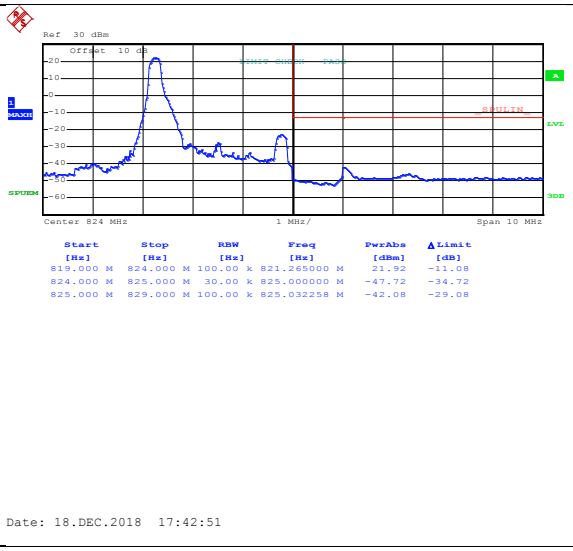
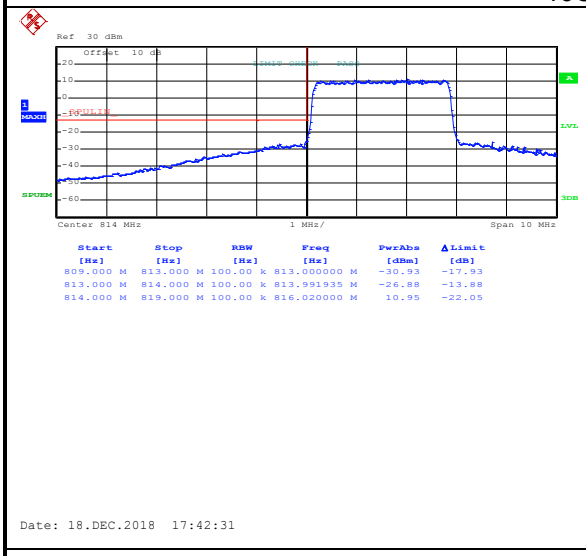
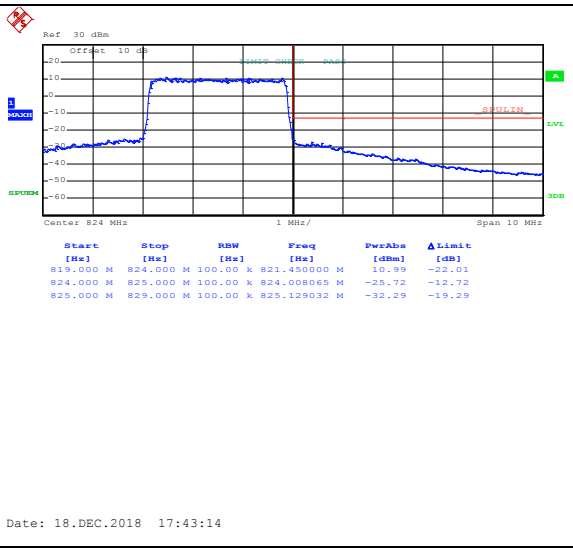


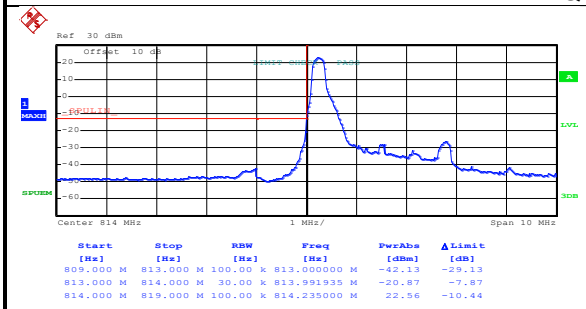
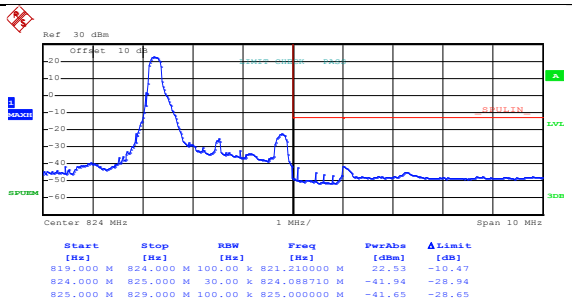
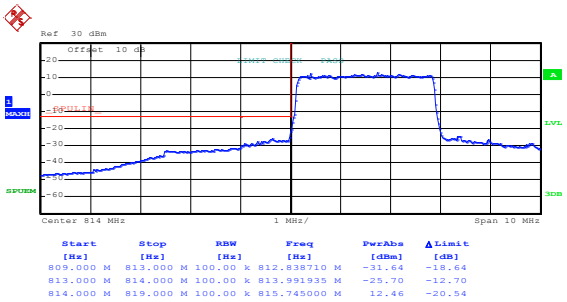
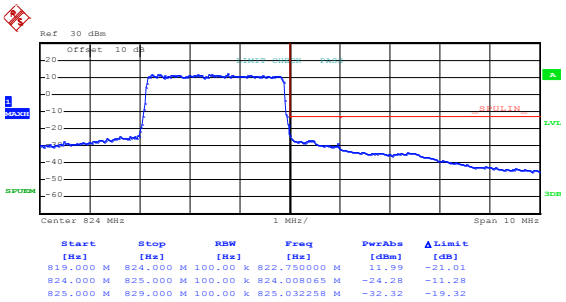
Highest channel

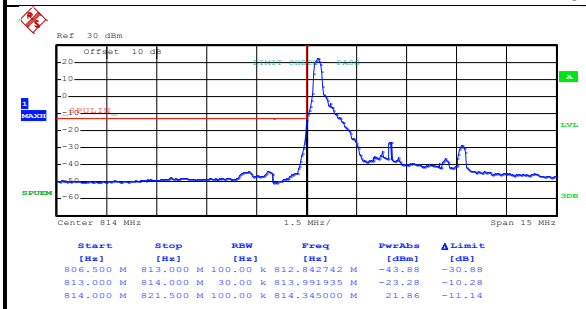
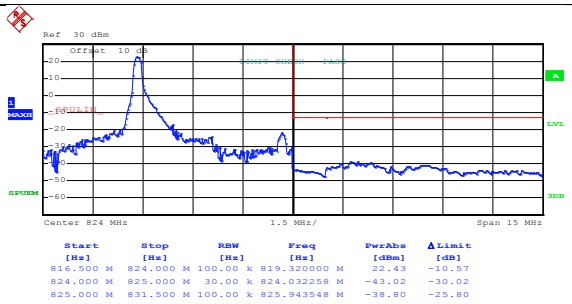
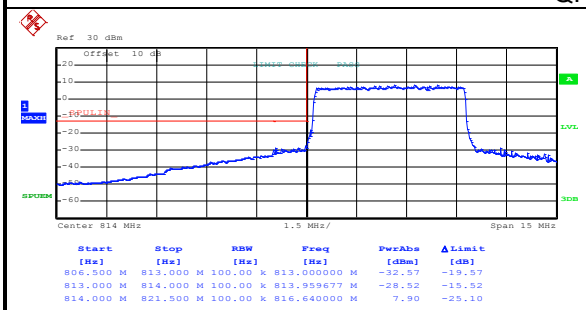
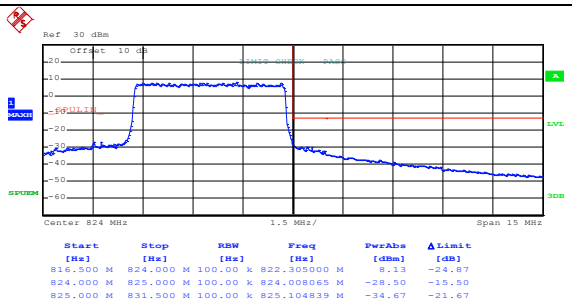
LTE band 26(part 90S):

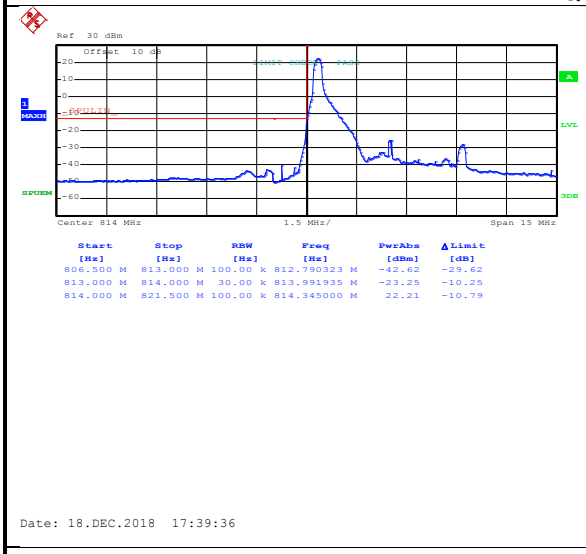
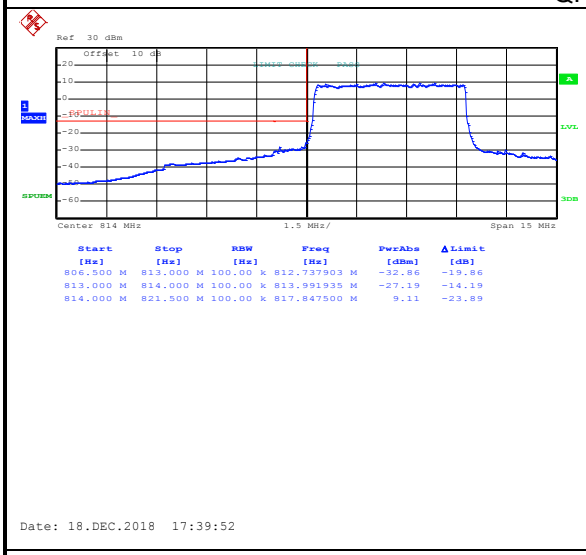
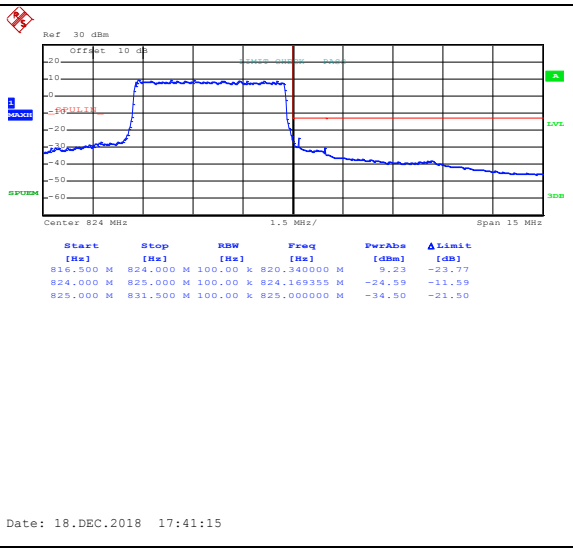
LTE Band 26(part 90S), BW: 1.4 MHz	
16QAM & RB Size 1	
 Date: 18.DEC.2018 17:43:45	 Date: 18.DEC.2018 17:45:12
Lowest channel	Highest channel
16QAM & RB Size 6	
 Date: 18.DEC.2018 17:44:01	 Date: 18.DEC.2018 17:45:26
Lowest channel	Highest channel

LTE Band 26(part 90S), BW: 1.4 MHz	
QPSK & RB Size 1	
 Start [Hz] / Stop [Hz] / RBW [Hz] / Freq [Hz] / PwrAbs [dBm] / ΔLimit [dB] 811.000 M / 813.000 M / 100.00 k / 812.741935 M / -42.80 / -29.80 813.000 M / 814.000 M / 30.00 k / 813.991935 M / -20.75 / -7.75 814.000 M / 817.000 M / 100.00 k / 814.270000 M / 23.10 / -9.90 Date: 18.DEC.2018 17:43:40	 Start [Hz] / Stop [Hz] / RBW [Hz] / Freq [Hz] / PwrAbs [dBm] / ΔLimit [dB] 821.000 M / 824.000 M / 100.00 k / 822.875000 M / 23.21 / -9.79 824.000 M / 825.000 M / 30.00 k / 824.040323 M / -37.31 / -24.31 825.000 M / 827.000 M / 100.00 k / 826.967742 M / -32.89 / -19.89 Date: 18.DEC.2018 17:45:07
Lowest channel	Highest channel
QPSK & RB Size 6	
 Start [Hz] / Stop [Hz] / RBW [Hz] / Freq [Hz] / PwrAbs [dBm] / ΔLimit [dB] 811.000 M / 813.000 M / 100.00 k / 812.951613 M / -32.92 / -19.92 813.000 M / 814.000 M / 30.00 k / 813.983871 M / -28.95 / -15.95 814.000 M / 817.000 M / 100.00 k / 814.927000 M / 16.49 / -16.51 Date: 18.DEC.2018 17:43:55	 Start [Hz] / Stop [Hz] / RBW [Hz] / Freq [Hz] / PwrAbs [dBm] / ΔLimit [dB] 821.000 M / 824.000 M / 100.00 k / 823.499000 M / 17.04 / -15.96 824.000 M / 825.000 M / 30.00 k / 824.008065 M / -28.97 / -15.97 825.000 M / 827.000 M / 100.00 k / 825.032258 M / -31.43 / -18.43 Date: 18.DEC.2018 17:45:20
Lowest channel	Highest channel

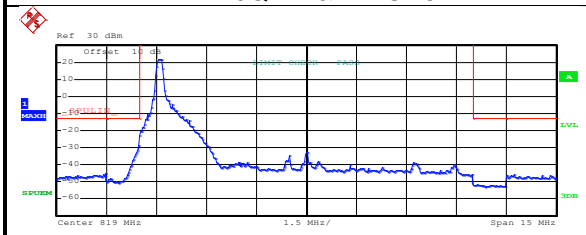
LTE Band 26(part 90S), BW: 3 MHz	
16QAM & RB Size 1	
	
Lowest channel	Highest channel
16QAM & RB Size 15	
	
Lowest channel	Highest channel

LTE Band 26(part 90S), BW: 3 MHz	
QPSK & RB Size 1	
 Start [Hz] / Stop [Hz] / RBW [Hz] / Freq [Hz] / PwrAbs [dBm] / ΔLimit [dB] 809.000 M / 813.000 M / 100.00 k / 813.000000 M / -42.13 / -29.13 813.000 M / 814.000 M / 30.00 k / 813.991935 M / -20.87 / -7.87 814.000 M / 819.000 M / 100.00 k / 814.235000 M / 22.56 / -10.44 Date: 18.DEC.2018 17:42:04	 Start [Hz] / Stop [Hz] / RBW [Hz] / Freq [Hz] / PwrAbs [dBm] / ΔLimit [dB] 819.000 M / 824.000 M / 100.00 k / 821.210000 M / 22.53 / -10.47 824.000 M / 825.000 M / 30.00 k / 824.088710 M / -41.94 / -28.94 825.000 M / 829.000 M / 100.00 k / 825.000000 M / -41.65 / -28.65 Date: 18.DEC.2018 17:42:47
Lowest channel	Highest channel
QPSK & RB Size 15	
 Start [Hz] / Stop [Hz] / RBW [Hz] / Freq [Hz] / PwrAbs [dBm] / ΔLimit [dB] 809.000 M / 813.000 M / 100.00 k / 812.838710 M / -31.64 / -18.64 813.000 M / 814.000 M / 100.00 k / 813.991935 M / -25.70 / -12.70 814.000 M / 819.000 M / 100.00 k / 815.745000 M / 12.46 / -20.54 Date: 18.DEC.2018 17:42:25	 Start [Hz] / Stop [Hz] / RBW [Hz] / Freq [Hz] / PwrAbs [dBm] / ΔLimit [dB] 819.000 M / 824.000 M / 100.00 k / 822.750000 M / 11.99 / -21.01 824.000 M / 825.000 M / 100.00 k / 824.008065 M / -24.28 / -11.28 825.000 M / 829.000 M / 100.00 k / 825.032258 M / -32.32 / -19.32 Date: 18.DEC.2018 17:43:07
Lowest channel	Highest channel

LTE Band 26(part 90S), BW: 5 MHz	
16QAM & RB Size 1	
 Start [Hz] / Stop [Hz] / RBW [Hz] / Freq [Hz] / PwrAbs [dBm] / ΔLimit [dB] 806.500 M / 813.000 M / 100.00 k / 812.842742 M / -43.88 / -30.88 813.000 M / 814.000 M / 30.00 k / 813.991935 M / -23.28 / -10.28 814.000 M / 821.500 M / 100.00 k / 814.345000 M / 21.86 / -11.14 Date: 18.DEC.2018 17:39:41	 Start [Hz] / Stop [Hz] / RBW [Hz] / Freq [Hz] / PwrAbs [dBm] / ΔLimit [dB] 816.500 M / 824.000 M / 100.00 k / 819.320000 M / 22.43 / -10.57 824.000 M / 825.000 M / 30.00 k / 824.032258 M / -43.02 / -30.02 825.000 M / 831.500 M / 100.00 k / 825.943548 M / -38.80 / -25.80 Date: 18.DEC.2018 17:40:59
Lowest channel	Highest channel
QPSK & RB Size 25	
 Start [Hz] / Stop [Hz] / RBW [Hz] / Freq [Hz] / PwrAbs [dBm] / ΔLimit [dB] 806.500 M / 813.000 M / 100.00 k / 813.000000 M / -32.57 / -19.57 813.000 M / 814.000 M / 100.00 k / 813.959677 M / -28.52 / -15.52 814.000 M / 821.500 M / 100.00 k / 816.640000 M / 7.90 / -25.10 Date: 18.DEC.2018 17:39:57	 Start [Hz] / Stop [Hz] / RBW [Hz] / Freq [Hz] / PwrAbs [dBm] / ΔLimit [dB] 816.500 M / 824.000 M / 100.00 k / 822.305000 M / 8.13 / -24.87 824.000 M / 825.000 M / 100.00 k / 824.008065 M / -28.50 / -15.50 825.000 M / 831.500 M / 100.00 k / 825.104839 M / -34.67 / -21.67 Date: 18.DEC.2018 17:41:21
Lowest channel	Highest channel

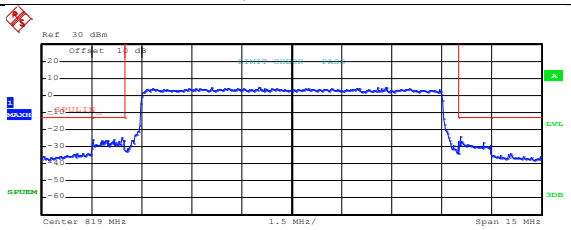
LTE Band 26(part 90S), BW: 5 MHz	
QPSK & RB Size 1	
	
Lowest channel	Highest channel
QPSK & RB Size 25	
	
Lowest channel	Highest channel

LTE Band 26(part 90S), BW: 10 MHz	
16QAM & RB Size 1	16QAM & RB Size 50



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
811.500 M	813.000 M	100.00 k	813.000000 M	-44.85	-31.85
813.000 M	814.000 M	30.00 k	813.991935 M	-28.80	-15.80
814.000 M	824.000 M	100.00 k	814.630000 M	21.70	-11.30
824.000 M	825.000 M	30.00 k	824.120968 M	-51.73	-38.73
825.000 M	826.500 M	100.00 k	825.229839 M	-45.78	-32.78

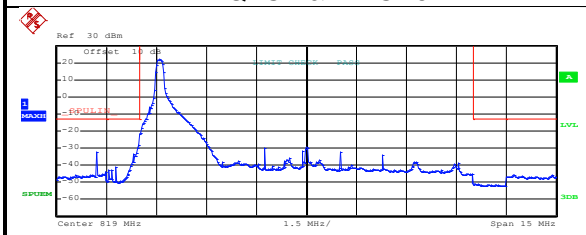
Date: 18.DEC.2018 17:38:40



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
811.500 M	813.000 M	100.00 k	812.854839 M	-34.15	-21.15
813.000 M	814.000 M	300.00 k	813.879032 M	-24.89	-11.89
814.000 M	824.000 M	100.00 k	818.020000 M	4.66	-28.34
824.000 M	825.000 M	300.00 k	824.048387 M	-24.38	-11.38
825.000 M	826.500 M	100.00 k	825.544355 M	-34.06	-21.06

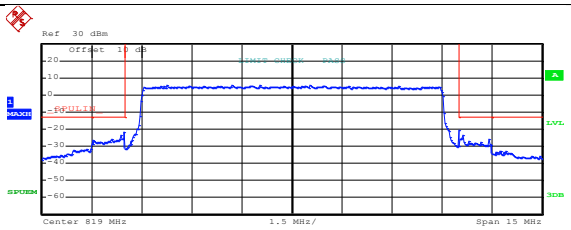
Date: 18.DEC.2018 17:39:03

LTE Band 26(part 90S), BW: 10 MHz	
QPSK & RB Size 1	QPSK & RB Size 50



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
811.500 M	813.000 M	100.00 k	812.673387 M	-32.18	-19.18
813.000 M	814.000 M	30.00 k	813.991935 M	-28.43	-15.43
814.000 M	824.000 M	100.00 k	814.570000 M	21.89	-11.11
824.000 M	825.000 M	30.00 k	824.137097 M	-50.23	-37.23
825.000 M	826.500 M	100.00 k	825.193548 M	-45.98	-32.98

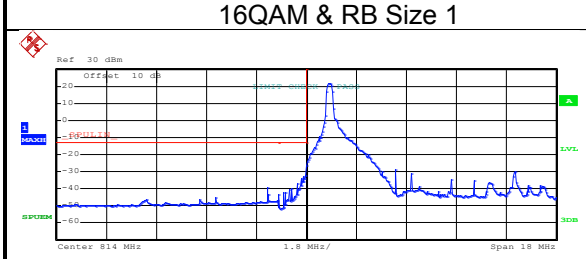
Date: 18.DEC.2018 17:38:36



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
811.500 M	813.000 M	100.00 k	812.842742 M	-31.90	-18.90
813.000 M	814.000 M	300.00 k	813.983871 M	-21.56	-8.56
814.000 M	824.000 M	100.00 k	819.530000 M	5.59	-27.41
824.000 M	825.000 M	300.00 k	824.008065 M	-20.54	-7.54
825.000 M	826.500 M	100.00 k	825.266129 M	-32.85	-19.85

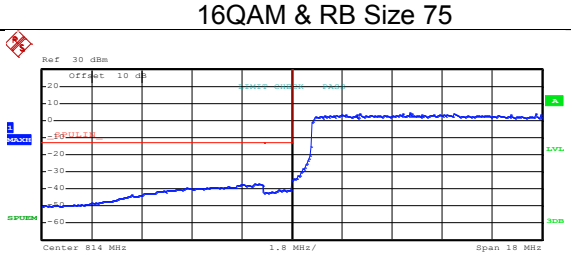
Date: 18.DEC.2018 17:38:58

LTE Band 26(part 90S), BW: 15 MHz	
16QAM & RB Size 1	16QAM & RB Size 75



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
805.000 M	813.000 M	100.00 k	812.612903 M	-39.26	-26.26
813.000 M	814.000 M	30.00 k	813.991935 M	-32.15	-19.15
814.000 M	823.000 M	100.00 k	814.828000 M	21.73	-11.27

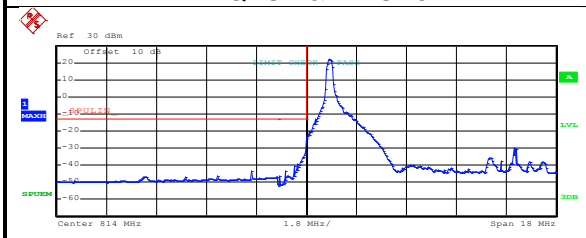
Date: 18.DEC.2018 17:37:14



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
805.000 M	813.000 M	100.00 k	812.677419 M	-37.14	-24.14
813.000 M	814.000 M	30.00 k	813.975806 M	-40.47	-27.47
814.000 M	823.000 M	100.00 k	818.230000 M	4.34	-28.66

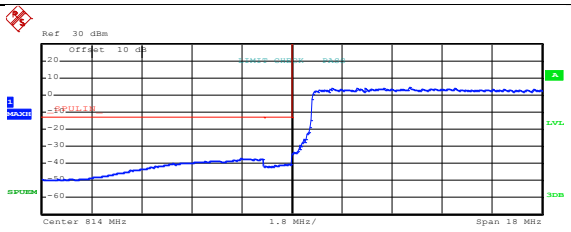
Date: 18.DEC.2018 17:37:29

LTE Band 26(part 90S), BW: 15 MHz	
QPSK & RB Size 1	QPSK & RB Size 75



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
805.000 M	813.000 M	100.00 k	812.032258 M	-43.35	-30.35
813.000 M	814.000 M	30.00 k	813.991935 M	-32.33	-19.33
814.000 M	823.000 M	100.00 k	814.810000 M	21.83	-11.17

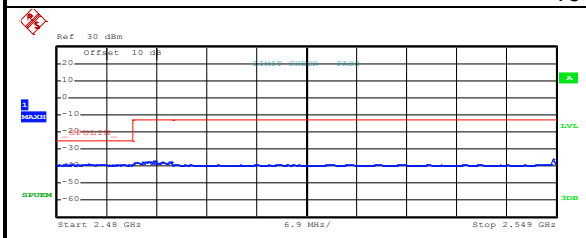
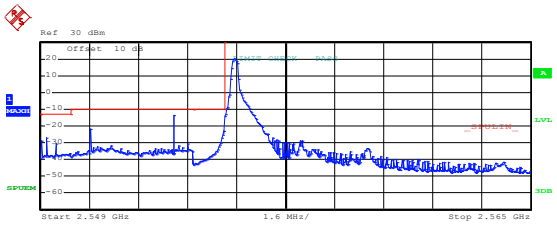
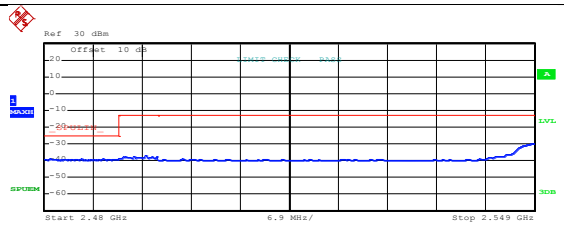
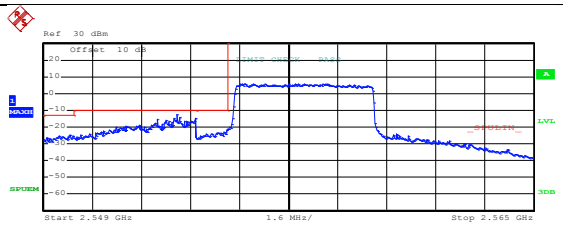
Date: 18.DEC.2018 17:37:09

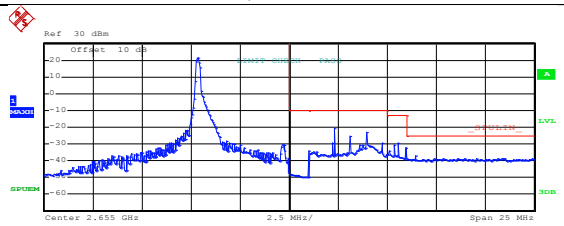
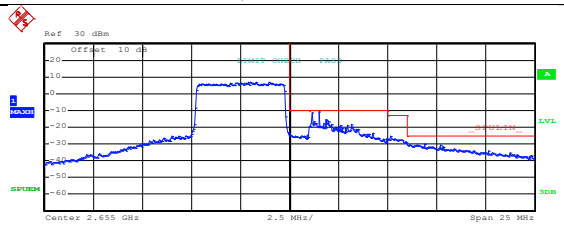


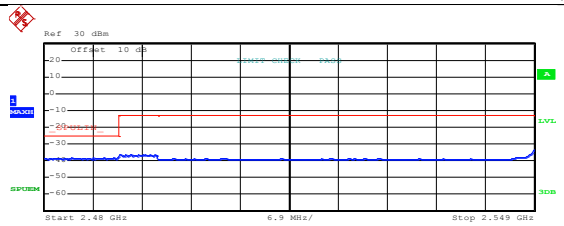
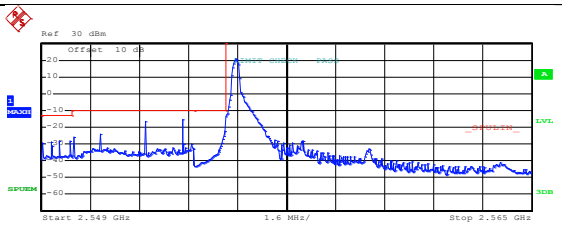
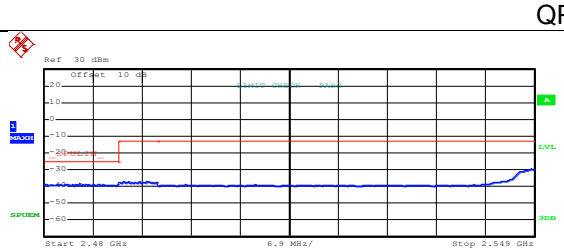
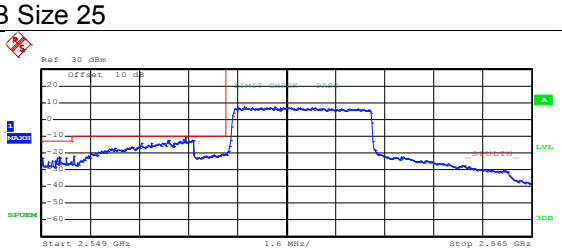
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
805.000 M	813.000 M	100.00 k	812.161290 M	-37.08	-24.08
813.000 M	814.000 M	30.00 k	813.991935 M	-40.27	-27.27
814.000 M	823.000 M	100.00 k	818.239000 M	4.55	-28.45

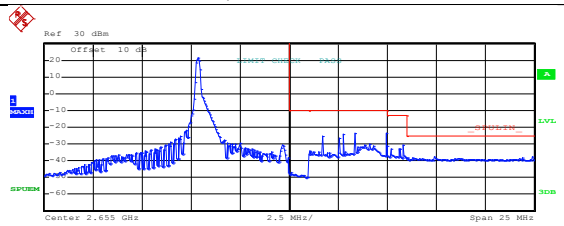
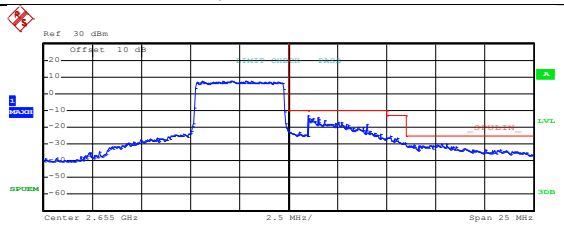
Date: 18.DEC.2018 17:37:25

LTE Band 41 part:

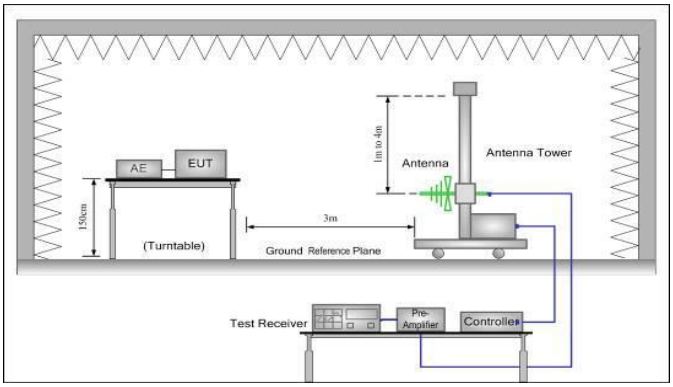
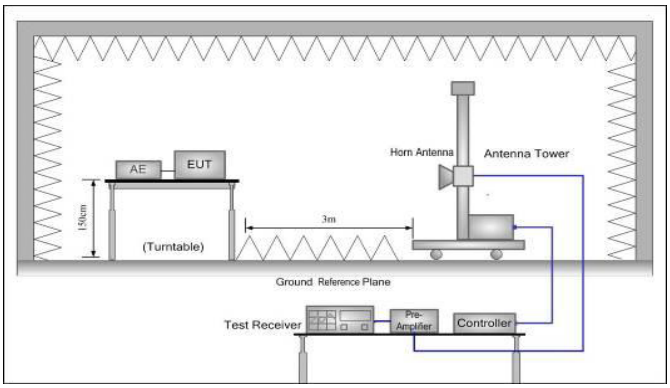
LTE Band 41, BW: 5MHz	
16QAM & RB Size 1	
 Start [Hz] / Stop [Hz] / RBW [Hz] / Freq [Hz] / PwrAbs [dBm] / ΔLimit [dB] 2.480 G / 2.490 G / 1.00 M / 2.484319 G / -38.58 / -13.58 2.490 G / 2.496 G / 1.00 M / 2.493383 G / -36.82 / -23.82 2.496 G / 2.549 G / 1.00 M / 2.548573 G / -35.86 / -22.86 Date: 18.DEC.2018 19:20:28	 Start [Hz] / Stop [Hz] / RBW [Hz] / Freq [Hz] / PwrAbs [dBm] / ΔLimit [dB] 2.549 G / 2.550 G / 1.00 M / 2.549185 G / -26.80 / -13.80 2.550 G / 2.554 G / 1.00 M / 2.553355 G / -13.62 / -3.62 2.554 G / 2.555 G / 30.00 k / 2.554992 G / -22.67 / -12.67 2.555 G / 2.565 G / 100.00 k / 2.555320 G / 20.21 / -12.79 Date: 18.DEC.2018 19:22:32
Lowest channel	
16QAM & RB Size 25	
 Start [Hz] / Stop [Hz] / RBW [Hz] / Freq [Hz] / PwrAbs [dBm] / ΔLimit [dB] 2.480 G / 2.490 G / 1.00 M / 2.480762 G / -38.79 / -13.79 2.490 G / 2.496 G / 1.00 M / 2.494181 G / -37.13 / -24.13 2.496 G / 2.549 G / 1.00 M / 2.548573 G / -29.87 / -16.87 Date: 18.DEC.2018 19:20:59	 Start [Hz] / Stop [Hz] / RBW [Hz] / Freq [Hz] / PwrAbs [dBm] / ΔLimit [dB] 2.549 G / 2.550 G / 1.00 M / 2.549863 G / -24.87 / -11.87 2.550 G / 2.554 G / 1.00 M / 2.553355 G / -12.68 / -2.68 2.554 G / 2.555 G / 100.00 k / 2.554984 G / -21.97 / -11.97 2.555 G / 2.565 G / 100.00 k / 2.555490 G / 5.84 / -27.16 Date: 18.DEC.2018 19:22:59
Lowest channel	

LTE Band 41, BW: 5MHz	
16QAM & RB Size 1	16QAM & RB Size 25
	
Start [Hz] / Stop [Hz] / RBW [Hz] / Freq [Hz] / PwrAbs [dBm] / ΔLimit [dB] 2.643 G / 2.655 G / 100.00 k / 2.650325 G / 21.43 / -11.57 2.655 G / 2.656 G / 30.00 k / 2.655081 G / -48.35 / -38.35 2.656 G / 2.660 G / 1.00 M / 2.657290 G / -20.54 / -10.54 2.660 G / 2.661 G / 1.00 M / 2.660524 G / -29.64 / -16.64 2.661 G / 2.668 G / 1.00 M / 2.661472 G / -36.76 / -11.76	Start [Hz] / Stop [Hz] / RBW [Hz] / Freq [Hz] / PwrAbs [dBm] / ΔLimit [dB] 2.643 G / 2.655 G / 100.00 k / 2.653950 G / 6.77 / -26.23 2.655 G / 2.656 G / 100.00 k / 2.655081 G / -24.13 / -14.13 2.656 G / 2.660 G / 1.00 M / 2.656452 G / -10.88 / -0.88 2.660 G / 2.661 G / 1.00 M / 2.660137 G / -25.39 / -12.39 2.661 G / 2.668 G / 1.00 M / 2.661891 G / -29.97 / -4.97
Date: 18.DEC.2018 19:29:34	Date: 18.DEC.2018 19:28:58
Highest channel	

LTE Band 41, BW: 5MHz	
QPSK & RB Size 1	
 Start Stop RBW Freq PwrAbs ΔLimit [Hz] [Hz] [Hz] [Hz] [dBm] [dB] 2.480 G 2.490 G 1.00 M 2.486774 G -38.21 -13.21 2.490 G 2.496 G 1.00 M 2.495601 G -36.37 -23.37 2.496 G 2.549 G 1.00 M 2.549000 G -33.28 -20.28 Date: 18.DEC.2018 19:20:23	 Start Stop RBW Freq PwrAbs ΔLimit [Hz] [Hz] [Hz] [Hz] [dBm] [dB] 2.549 G 2.550 G 1.00 M 2.549935 G -26.11 -15.11 2.550 G 2.554 G 1.00 M 2.553613 G -15.22 -5.22 2.554 G 2.555 G 30.00 k 2.554992 G -22.90 -12.90 2.555 G 2.565 G 100.00 k 2.555340 G 20.67 -12.33 Date: 18.DEC.2018 19:22:08
Lowest channel	
QPSK & RB Size 25	
 Start Stop RBW Freq PwrAbs ΔLimit [Hz] [Hz] [Hz] [Hz] [dBm] [dB] 2.480 G 2.490 G 1.00 M 2.484911 G -37.96 -12.96 2.490 G 2.496 G 1.00 M 2.491121 G -36.79 -23.79 2.496 G 2.549 G 1.00 M 2.548573 G -29.63 -16.63 Date: 18.DEC.2018 19:20:43	 Start Stop RBW Freq PwrAbs ΔLimit [Hz] [Hz] [Hz] [Hz] [dBm] [dB] 2.549 G 2.550 G 1.00 M 2.549556 G -22.49 -9.49 2.550 G 2.554 G 1.00 M 2.553710 G -10.83 -0.83 2.554 G 2.555 G 100.00 k 2.554927 G -20.77 -10.77 2.555 G 2.565 G 100.00 k 2.555600 G 7.47 -25.53 Date: 18.DEC.2018 19:22:51
Lowest channel	

LTE Band 41, BW: 5MHz	
QPSK & RB Size 1	QPSK & RB Size 25
	
Start [Hz] / Stop [Hz] / RBW [Hz] / Freq [Hz] / PwrAbs [dBm] / ΔLimit [dB] 2.643 G / 2.655 G / 100.00 k / 2.650325 G / 21.25 / -11.75 2.655 G / 2.656 G / 30.00 k / 2.655097 G / -47.18 / -37.18 2.656 G / 2.660 G / 1.00 M / 2.658323 G / -23.51 / -13.51 2.660 G / 2.661 G / 1.00 M / 2.660790 G / -30.68 / -17.68 2.661 G / 2.668 G / 1.00 M / 2.667395 G / -37.48 / -12.48	Start [Hz] / Stop [Hz] / RBW [Hz] / Freq [Hz] / PwrAbs [dBm] / ΔLimit [dB] 2.643 G / 2.655 G / 100.00 k / 2.652100 G / 7.74 / -25.26 2.655 G / 2.656 G / 100.00 k / 2.655056 G / -22.77 / -12.77 2.656 G / 2.660 G / 1.00 M / 2.656000 G / -13.04 / -3.04 2.660 G / 2.661 G / 1.00 M / 2.660194 G / -25.48 / -12.48 2.661 G / 2.668 G / 1.00 M / 2.662782 G / -29.93 / -4.93
Date: 18.DEC.2018 19:29:26	Date: 18.DEC.2018 19:29:09
Highest channel	

6.5 Field strength of spurious radiation measurement

Test Requirement:	Part 22.917(a), Part 24.238(a), Part 27.53(c & f) Part 27.53(g), Part 27.53(m), Part 27.53(h), Part 90.691(a)
Test Method:	ANSI/TIA-603-D 2010
Limit:	LTE Band 4 & 12 & 17 & 25 & 26: The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least 43 + 10 $\log_{10}$(P) dB (-13 dBm). LTE Band 13: The power of any emission shall be attenuated outside the band below the transmitter power (P) by at least 43 + 10 log (P) dB(-13 dBm). For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to −70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals. LTE Band 7&41: For mobile digital stations, the attenuation factor shall be not less than 40 + 10 log (P) dB on all frequencies between the channel edge and 5 megahertz from the channel edge, 43 + 10 log (P) dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that 43 + 10 log (P) dB on all frequencies between 2490.5 MHz and 2496 MHz and 55 + 10 log (P) dB at or below 2490.5 MHz.
Test setup:	Below 1GHz  Above 1GHz 
Test Procedure:	1. The EUT was placed on an non-conductive turntable using a non-conductive support. The radiated emission at the fundamental frequency was measured at 3 m with a test antenna and EMI spectrum analyzer. 2. During the tests, the antenna height and the EUT azimuth were

	varied in order to identify the maximum level of emissions from the EUT. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations. 3. The frequency range up to tenth harmonic was investigated for each of three fundamental frequency (low, middle and high channels). Once spurious emission was identified, the power of the emission was determined using the substitution method. 4. The spurious emissions attenuation was calculated as the difference between radiated power at the fundamental frequency and the spurious emissions frequency. ERP / EIRP = S.G. output (dBm) + Antenna Gain(dB/dBi) – Cable Loss (dB)
Test Instruments:	Refer to section 5.9 for details
Test mode:	Refer to section 5.3 for details.
Test results:	Passed

Measurement Data:

LTE Band 4 part:

LTE Band 4, WB: 1.4MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
3421.40	Vertical	-51.12	-13.00	Pass
5132.10	V	-45.89		
6842.80	V	-40.90		
3421.40	Horizontal	-51.79		
5132.10	H	-46.23		
6842.80	H	-41.22		
Middle Channel				
3465.00	Vertical	-50.57	-13.00	Pass
5197.50	V	-46.89		
6930.00	V	-39.85		
3465.00	Horizontal	-52.97		
5197.50	H	-44.85		
6930.00	H	-40.42		
Highest Channel				
3508.60	Vertical	-50.65	-13.00	Pass
5262.90	V	-45.04		
7017.20	V	-41.57		
3508.60	Horizontal	-50.89		
5262.90	H	-45.57		
7017.20	H	-40.97		

Note:
1. *The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.*
2. *For above 1 GHz, all test modes were performed, and just the worst case shown in the report.*

LTE Band 4, WB: 3MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
3423.00	Vertical	-51.40	-13.00	Pass
5134.50	V	-45.89		
6846.00	V	-40.57		
3423.00	Horizontal	-51.05		
5134.50	H	-46.97		
6846.00	H	-41.78		
Middle Channel				
3465.00	Vertical	-50.56	-13.00	Pass
5197.50	V	-46.70		
6930.00	V	-39.84		
3465.00	Horizontal	-52.65		
5197.50	H	-44.04		
6930.00	H	-40.40		
Highest Channel				
3507.00	Vertical	-50.54	-13.00	Pass
5260.50	V	-45.44		
7014.00	V	-41.04		
3507.00	Horizontal	-50.41		
5260.50	H	-45.37		
7014.00	H	-40.93		

Note:

1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.

2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.

LTE Band 4, WB: 5MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
3425.00	Vertical	-51.34	-13.00	Pass
5137.50	V	-45.51		
6850.00	V	-40.68		
3425.00	Horizontal	-51.41		
5137.50	H	-46.13		
6850.00	H	-41.85		
Middle Channel				
3465.00	Vertical	-50.19	-13.00	Pass
5197.50	V	-46.38		
6930.00	V	-39.51		
3465.00	Horizontal	-52.94		
5197.50	H	-44.85		
6930.00	H	-40.11		
Highest Channel				
3505.00	Vertical	-50.49	-13.00	Pass
5257.50	V	-45.57		
7010.00	V	-41.18		
3505.00	Horizontal	-50.91		
5257.50	H	-45.79		
7010.00	H	-40.85		

Note:

1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.

2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.

LTE Band 4, WB: 10MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
3430.00	Vertical	-51.51	-13.00	Pass
5145.00	V	-45.12		
6860.00	V	-40.24		
3430.00	Horizontal	-51.24		
5145.00	H	-46.12		
6860.00	H	-41.89		
Middle Channel				
3465.00	Vertical	-50.12	-13.00	Pass
5197.50	V	-46.26		
6930.00	V	-39.51		
3465.00	Horizontal	-52.90		
5197.50	H	-44.41		
6930.00	H	-40.65		
Highest Channel				
3500.00	Vertical	-50.24	-13.00	Pass
5250.00	V	-45.99		
7000.00	V	-41.99		
3500.00	Horizontal	-50.24		
5250.00	H	-45.89		
7000.00	H	-40.57		

Note:

1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.

2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.

LTE Band 4, WB: 15MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
3435.00	Vertical	-51.57	-13.00	Pass
5152.50	V	-45.95		
6870.00	V	-40.55		
3435.00	Horizontal	-51.78		
5152.50	H	-46.68		
6870.00	H	-41.59		
Middle Channel				
3465.00	Vertical	-50.80	-13.00	Pass
5197.50	V	-46.89		
6930.00	V	-39.97		
3465.00	Horizontal	-52.04		
5197.50	H	-44.94		
6930.00	H	-40.74		
Highest Channel				
3495.00	Vertical	-50.80	-13.00	Pass
5242.50	V	-45.45		
6990.00	V	-41.49		
3495.00	Horizontal	-50.24		
5242.50	H	-45.58		
6990.00	H	-40.95		

Note:

1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.

2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.

LTE Band 4, WB: 20MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
3440.00	Vertical	-51.56	-13.00	Pass
5160.00	V	-45.40		
6880.00	V	-40.04		
3440.00	Horizontal	-51.98		
5160.00	H	-46.75		
6880.00	H	-41.39		
Middle Channel				
3465.00	Vertical	-50.42	-13.00	Pass
5197.50	V	-46.62		
6930.00	V	-39.79		
3465.00	Horizontal	-52.19		
5197.50	H	-44.97		
6930.00	H	-40.58		
Highest Channel				
3490.00	Vertical	-50.91	-13.00	Pass
5235.00	V	-45.83		
6980.00	V	-41.15		
3490.00	Horizontal	-50.15		
5235.00	H	-45.86		
6980.00	H	-40.42		

Note:

1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.

2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.

LTE Band 7 part:

LTE Band 7, WB: 5MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
5005.00	Vertical	-47.93	-25.00	Pass
7507.50	V	-40.70		
10010.00	V	-38.98		
5005.00	Horizontal	-47.30		
7507.50	H	-39.88		
10010.00	H	-37.94		
Middle Channel				
5070.00	Vertical	-47.38	-25.00	Pass
7605.00	V	-40.19		
10140.00	V	-38.26		
5070.00	Horizontal	-47.43		
7605.00	H	-39.97		
10140.00	H	-37.88		
Highest Channel				
5135.00	Vertical	-47.29	-25.00	Pass
7702.50	V	-40.63		
10270.00	V	-38.61		
5135.00	Horizontal	-47.98		
7702.50	H	-40.32		
10270.00	H	-38.30		

Note:

1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.

2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.

LTE Band 7, WB: 10MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
5010.00	Vertical	-47.29	-25.00	Pass
7515.00	V	-40.40		
10020.00	V	-38.61		
5010.00	Horizontal	-47.17		
7515.00	H	-39.86		
10020.00	H	-37.28		
Middle Channel				
5070.00	Vertical	-47.98	-25.00	Pass
7605.00	V	-40.46		
10140.00	V	-38.75		
5070.00	Horizontal	-47.92		
7605.00	H	-39.34		
10140.00	H	-37.78		
Highest Channel				
5130.00	Vertical	-47.52	-25.00	Pass
7695.00	V	-40.92		
10260.00	V	-38.14		
5130.00	Horizontal	-47.92		
7695.00	H	-39.73		
10260.00	H	-37.46		

Note:

1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.

2. *For above 1 GHz, all test modes were performed, and just the worst case shown in the report.*

LTE Band 7, WB: 15MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
5015.00	Vertical	-47.36	-25.00	Pass
7522.50	V	-40.32		
10030.00	V	-38.72		
5015.00	Horizontal	-47.37		
7522.50	H	-39.77		
10030.00	H	-37.78		
Middle Channel				
5070.00	Vertical	-47.88	-25.00	Pass
7605.00	V	-40.17		
10140.00	V	-38.13		
5070.00	Horizontal	-47.37		
7605.00	H	-39.69		
10140.00	H	-37.46		
Highest Channel				
5125.00	Vertical	-47.51	-25.00	Pass
7687.50	V	-40.11		
10250.00	V	-38.46		
5125.00	Horizontal	-47.46		
7687.50	H	-40.37		
10250.00	H	-38.69		

Note:

1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.

2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.

LTE Band 7, WB: 20MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
5020.00	Vertical	-47.46	-25.00	Pass
7530.00	V	-40.46		
10040.00	V	-38.54		
5020.00	Horizontal	-47.67		
7530.00	H	-39.63		
10040.00	H	-37.52		
Middle Channel				
5070.00	Vertical	-47.46	-25.00	Pass
7605.00	V	-40.92		
10140.00	V	-38.76		
5070.00	Horizontal	-47.54		
7605.00	H	-39.78		
10140.00	H	-37.29		
Highest Channel				
5120.00	Vertical	-47.82	-25.00	Pass
7680.00	V	-40.39		
10240.00	V	-38.48		
5120.00	Horizontal	-47.79		
7680.00	H	-39.74		
10240.00	H	-37.31		

Note:

1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.

2. *For above 1 GHz, all test modes were performed, and just the worst case shown in the report.*

LTE Band 12 part:

LTE Band 12, WB: 1.4MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
1399.40	Vertical	-58.32	-13.00	Pass
2099.10	V	-57.84		
2798.80	V	-53.00		
1399.40	Horizontal	-59.59		
2099.10	H	-58.73		
2798.80	H	-54.76		
Middle Channel				
1415.00	Vertical	-58.91	-13.00	Pass
2122.50	V	-58.54		
2830.00	V	-52.96		
1415.00	Horizontal	-58.28		
2122.50	H	-57.22		
2830.00	H	-54.93		
Highest Channel				
1430.60	Vertical	-58.59	-13.00	Pass
2145.90	V	-56.59		
2861.20	V	-52.41		
1430.60	Horizontal	-58.62		
2145.90	H	-58.41		
2861.20	H	-54.22		

Note:
1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.
2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.

LTE Band 12, WB: 3MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
1401.00	Vertical	-58.89	-13.00	Pass
2101.50	V	-57.93		
2802.00	V	-53.92		
1401.00	Horizontal	-59.91		
2101.50	H	-58.30		
2802.00	H	-54.28		
Middle Channel				
1415.00	Vertical	-58.91	-13.00	Pass
2122.50	V	-58.30		
2830.00	V	-52.28		
1415.00	Horizontal	-57.13		
2122.50	H	-57.03		
2830.00	H	-54.84		
Highest Channel				
1429.00	Vertical	-58.36	-13.00	Pass
2143.50	V	-56.37		
2858.00	V	-52.41		
1429.00	Horizontal	-58.67		
2143.50	H	-58.78		
2858.00	H	-54.10		

Note:

1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.

2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.

LTE Band 12, WB: 5MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
1403.00	Vertical	-58.13	-13.00	Pass
2104.50	V	-57.20		
2806.00	V	-53.27		
1403.00	Horizontal	-59.39		
2104.50	H	-58.09		
2806.00	H	-54.79		
Middle Channel				
1415.00	Vertical	-58.92	-13.00	Pass
2122.50	V	-58.98		
2830.00	V	-52.93		
1415.00	Horizontal	-58.20		
2122.50	H	-57.88		
2830.00	H	-54.39		
Highest Channel				
1427.00	Vertical	-58.20	-13.00	Pass
2410.50	V	-56.85		
2854.00	V	-52.90		
1427.00	Horizontal	-58.88		
2410.50	H	-58.54		
2854.00	H	-54.06		

Note:

1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.

2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.

LTE Band 12, WB: 10MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
1408.00	Vertical	-58.75	-13.00	Pass
2112.00	V	-57.82		
2816.00	V	-53.07		
1408.00	Horizontal	-59.53		
2112.00	H	-58.24		
2816.00	H	-54.75		
Middle Channel				
1415.00	Vertical	-58.36	-13.00	Pass
2122.50	V	-58.44		
2830.00	V	-52.51		
1415.00	Horizontal	-57.60		
2122.50	H	-57.42		
2830.00	H	-57.12		
Highest Channel				
1422.00	Vertical	-58.04	-13.00	Pass
2133.00	V	-56.59		
2844.00	V	-52.76		
1422.00	Horizontal	-58.24		
2133.00	H	-58.54		
2844.00	H	-54.29		

Note:

1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.

2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.

LTE Band 13 part:

LTE Band 13, WB: 5MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
1559.00	Vertical	-58.78	-13.00	Pass
2338.50	V	-57.52		
3118.00	V	-52.72		
1559.00	Horizontal	-58.83		
2338.50	H	-56.17		
3118.00	H	-51.83		
Middle Channel				
1564.00	Vertical	-58.65	-13.00	Pass
2346.00	V	-56.69		
3128.00	V	-53.37		
1564.00	Horizontal	-57.21		
2346.00	H	-54.33		
3128.00	H	-50.59		
Highest Channel				
1569.00	Vertical	-57.11	-13.00	Pass
2353.50	V	-57.05		
3138.00	V	-51.33		
1569.00	Horizontal	-58.37		
2353.50	H	-56.22		
3138.00	H	-50.05		

Note:

3. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.

4. *For above 1 GHz, all test modes were performed, and just the worst case shown in the report.*

LTE Band 13, WB: 10MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Middle Channel				
1564.00	Vertical	-57.41	-13.00	Pass
2346.00	V	-56.24		
3128.00	V	-54.33		
1564.00	Horizontal	-58.33		
2346.00	H	-53.58		
3128.00	H	-51.35		
Note: *3. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.* *4. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.*				

LTE Band 13 in the(1559MHz-1610MHz)				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Middle Channel				
1564.00	Vertical	-57.36	-40.00	Pass
1564.00	Horizontal	-58.11		
Note: *5. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.* *6. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.*				

LTE Band 17 part:

LTE Band 17, WB: 5MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
1413.00	Vertical	-58.95	-13.00	Pass
2119.50	V	-49.85		
2826.00	V	-52.47		
1413.00	Horizontal	-59.76		
2119.50	H	-48.67		
2826.00	H	-54.17		
Middle Channel				
1420.00	Vertical	-57.82	-13.00	Pass
2130.00	V	-50.32		
2840.00	V	-51.14		
1420.00	Horizontal	-58.11		
2130.00	H	-48.25		
2840.00	H	-53.16		
Highest Channel				
1427.00	Vertical	-58.32	-13.00	Pass
2140.50	V	-50.16		
2854.00	V	-50.83		
1427.00	Horizontal	-58.41		
2140.50	H	-47.41		
2854.00	H	-52.58		

Note:

1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.

2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.

LTE Band 17, WB: 10MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
1418.00	Vertical	-58.14	-13.00	Pass
2127.00	V	-49.21		
2836.00	V	-52.28		
1418.00	Horizontal	-59.36		
2127.00	H	-48.15		
2836.00	H	-54.67		
Middle Channel				
1420.00	Vertical	-57.03	-13.00	Pass
2130.00	V	-50.99		
2840.00	V	-51.24		
1420.00	Horizontal	-58.67		
2130.00	H	-48.43		
2840.00	H	-53.03		
Highest Channel				
1422.00	Vertical	-58.32	-13.00	Pass
2133.00	V	-50.63		
2844.00	V	-50.24		
1422.00	Horizontal	-58.18		
2133.00	H	-47.59		
2844.00	H	-52.15		

Note:

1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.

2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.

LTE Band 25 part:

LTE Band 25, WB: 1.4MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
3701.40	Vertical	-51.40	-13.00	Pass
5552.10	V	-44.84		
7402.80	V	-39.25		
3701.40	Horizontal	-50.46		
5552.10	H	-44.54		
7402.80	H	-40.27		
Middle Channel				
3765.00	Vertical	-50.45	-13.00	Pass
5647.50	V	-43.53		
7530.00	V	-40.42		
3765.00	Horizontal	-49.63		
5647.50	H	-43.86		
7530.00	H	-41.92		
Highest Channel				
3828.60	Vertical	-51.63	-13.00	Pass
5742.90	V	-40.63		
7657.20	V	-39.79		
3828.60	Horizontal	-51.63		
5742.90	H	-42.86		
7657.20	H	-40.11		

Note:

3. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.

4. *For above 1 GHz, all test modes were performed, and just the worst case shown in the report.*

LTE Band 25, WB: 3MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
3703.00	Vertical	-51.16	-13.00	Pass
5554.50	V	-44.54		
7406.00	V	-39.86		
3703.00	Horizontal	-50.14		
5554.50	H	-44.78		
7406.00	H	-40.27		
Middle Channel				
3765.00	Vertical	-50.63	-13.00	Pass
5647.50	V	-43.54		
7530.00	V	-40.31		
3765.00	Horizontal	-49.31		
5647.50	H	-43.56		
7530.00	H	-41.63		
Highest Channel				
3827.00	Vertical	-51.43	-13.00	Pass
5740.50	V	-40.37		
7654.00	V	-39.31		
3827.00	Horizontal	-51.29		
5740.50	H	-42.11		
7654.00	H	-40.13		

Note:

3. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.

4. *For above 1 GHz, all test modes were performed, and just the worst case shown in the report.*

LTE Band 25, WB: 5MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
3705.00	Vertical	-51.54	-13.00	Pass
5557.50	V	-44.14		
7410.00	V	-39.31		
3705.00	Horizontal	-50.23		
5557.50	H	-44.39		
7410.00	H	-40.28		
Middle Channel				
3765.00	Vertical	-50.16	-13.00	Pass
5647.50	V	-43.54		
7530.00	V	-40.46		
3765.00	Horizontal	-49.56		
5647.50	H	-43.63		
7530.00	H	-41.34		
Highest Channel				
3825.00	Vertical	-51.39	-13.00	Pass
5737.50	V	-40.12		
7650.00	V	-39.46		
3825.00	Horizontal	-51.06		
5737.50	H	-42.46		
7650.00	H	-40.58		

Note:

1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.

2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.

LTE Band 25, WB: 10MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
3710.00	Vertical	-51.43	-13.00	Pass
5565.00	V	-44.45		
7420.00	V	-39.43		
3710.00	Horizontal	-50.23		
5565.00	H	-44.48		
7420.00	H	-40.34		
Middle Channel				
3765.00	Vertical	-50.97	-13.00	Pass
5647.50	V	-43.19		
7530.00	V	-40.34		
3765.00	Horizontal	-49.56		
5647.50	H	-43.67		
7530.00	H	-41.16		
Highest Channel				
3820.00	Vertical	-51.63	-13.00	Pass
5730.00	V	-40.46		
7640.00	V	-39.44		
3820.00	Horizontal	-51.23		
5730.00	H	-42.46		
7640.00	H	-40.39		

Note:

1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.

2. *For above 1 GHz, all test modes were performed, and just the worst case shown in the report.*

LTE Band 25, WB: 15MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
3715.00	Vertical	-51.97	-13.00	Pass
5572.50	V	-44.29		
7430.00	V	-39.86		
3715.00	Horizontal	-50.56		
5572.50	H	-44.51		
7430.00	H	-40.23		
Middle Channel				
3765.00	Vertical	-50.72	-13.00	Pass
5647.50	V	-43.67		
7530.00	V	-40.29		
3765.00	Horizontal	-49.34		
5647.50	H	-43.29		
7530.00	H	-41.71		
Highest Channel				
3815.00	Vertical	-51.39	-13.00	Pass
5722.50	V	-40.29		
7630.00	V	-39.86		
3815.00	Horizontal	-51.56		
5722.50	H	-42.62		
7630.00	H	-40.52		

Note:

1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.

2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.

LTE Band 25, WB: 20MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
3720.00	Vertical	-51.11	-13.00	Pass
5580.00	V	-44.34		
7440.00	V	-39.23		
3720.00	Horizontal	-50.12		
5580.00	H	-44.52		
7440.00	H	-40.53		
Middle Channel				
3765.00	Vertical	-50.14	-13.00	Pass
5647.50	V	-43.56		
7530.00	V	-40.46		
3765.00	Horizontal	-49.34		
5647.50	H	-43.58		
7530.00	H	-41.39		
Highest Channel				
3810.00	Vertical	-51.45	-13.00	Pass
5715.00	V	-40.72		
7620.00	V	-39.28		
3810.00	Horizontal	-51.54		
5715.00	H	-42.29		
7620.00	H	-40.56		

Note:

1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.

2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.

LTE Band 5&26(part 22H):

LTE Band 5&26(part 22H), WB: 1.4MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
1649.40	Vertical	-58.92	-13.00	Pass
2474.10	V	-56.00		
3298.80	V	-51.93		
1649.40	Horizontal	-58.80		
2474.10	H	-55.82		
3298.80	H	-52.57		
Middle Channel				
1673.00	Vertical	-57.15	-13.00	Pass
2509.50	V	-55.58		
3346.00	V	-52.30		
1673.00	Horizontal	-58.58		
2509.50	H	-54.39		
3346.00	H	-52.32		
Highest Channel				
1696.60	Vertical	-58.91	-13.00	Pass
2544.90	V	-54.84		
3393.20	V	-51.45		
1696.60	Horizontal	-58.22		
2544.90	H	-56.32		
3393.20	H	-51.71		

Note:

1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.

2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.

LTE Band 5&26(part 22H), WB: 3MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
1651.00	Vertical	-58.41	-13.00	Pass
2476.50	V	-56.92		
3302.00	V	-51.25		
1651.00	Horizontal	-58.37		
2476.50	H	-55.32		
3302.00	H	-52.15		
Middle Channel				
1673.00	Vertical	-57.42	-13.00	Pass
2509.50	V	-55.58		
3346.00	V	-52.91		
1673.00	Horizontal	-58.07		
2509.50	H	-54.92		
3346.00	H	-52.88		
Highest Channel				
1695.00	Vertical	-58.39	-13.00	Pass
2542.50	V	-54.07		
3390.00	V	-51.15		
1695.00	Horizontal	-58.33		
2542.50	H	-56.52		
3390.00	H	-51.25		

Note:

1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.

2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.

LTE Band 5&26(part 22H), WB: 5MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
1653.00	Vertical	-58.58	-13.00	Pass
2479.50	V	-56.24		
3306.00	V	-51.33		
1653.00	Horizontal	-58.64		
2479.50	H	-55.47		
3306.00	H	-52.29		
Middle Channel				
1673.00	Vertical	-57.48	-13.00	Pass
2509.50	V	-55.71		
3346.00	V	-52.96		
1673.00	Horizontal	-58.88		
2509.50	H	-54.15		
3346.00	H	-52.64		
Highest Channel				
1693.00	Vertical	-58.84	-13.00	Pass
2539.50	V	-54.57		
3386.00	V	-51.39		
1693.00	Horizontal	-58.45		
2539.50	H	-56.75		
3386.00	H	-51.32		

Note:

1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.

2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.

LTE Band 5&26(part 22H), WB: 10MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
1658.00	Vertical	-58.41	-13.00	Pass
2487.00	V	-56.58		
3316.00	V	-51.25		
1658.00	Horizontal	-58.41		
2487.00	H	-55.92		
3316.00	H	-52.24		
Middle Channel				
1673.00	Vertical	-57.93	-13.00	Pass
2509.50	V	-55.51		
3346.00	V	-52.62		
1673.00	Horizontal	-58.07		
2509.50	H	-54.25		
3346.00	H	-52.52		
Highest Channel				
1688.00	Vertical	-58.21	-13.00	Pass
2532.00	V	-54.24		
3376.00	V	-51.97		
1688.00	Horizontal	-58.79		
2532.00	H	-56.85		
3376.00	H	-51.55		

Note:

1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.

2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.

LTE Band 26(part 22H), WB: 15MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
1663.00	Vertical	-58.07	-13.00	Pass
2494.50	V	-56.24		
3326.00	V	-51.93		
1663.00	Horizontal	-58.25		
2494.50	H	-55.39		
3326.00	H	-52.22		
Middle Channel				
1673.00	Vertical	-57.25	-13.00	Pass
2509.50	V	-55.92		
3346.00	V	-52.24		
1673.00	Horizontal	-58.91		
2509.50	H	-54.58		
3346.00	H	-52.42		
Highest Channel				
1683.00	Vertical	-58.91	-13.00	Pass
2524.50	V	-64.32		
3366.00	V	-51.93		
1683.00	Horizontal	-58.79		
2524.50	H	-56.41		
3366.00	H	-51.55		

Note:

1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.

2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.

LTE Band 26(part 90S):

LTE Band 26(part 90S), WB: 1.4MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
1629.40	Vertical	-59.54	-13.00	Pass
2444.10	V	-56.16		
3258.80	V	-51.82		
1629.40	Horizontal	-59.30		
2444.10	H	-56.05		
3258.80	H	-51.76		
Middle Channel				
1638.00	Vertical	-58.44	-13.00	Pass
2457.00	V	-55.42		
3276.00	V	-49.27		
1638.00	Horizontal	-59.42		
2457.00	H	-55.42		
3276.00	H	-50.51		
Highest Channel				
1646.60	Vertical	-58.89	-13.00	Pass
2469.90	V	-54.36		
3293.20	V	-50.75		
1646.60	Horizontal	-57.19		
2469.90	H	-54.18		
3293.20	H	-51.39		

Note:

1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.

2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.

LTE Band 26(part 90S), WB: 3MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
1631.00	Vertical	-59.75	-13.00	Pass
2446.50	V	-56.74		
3262.00	V	-51.41		
1631.00	Horizontal	-59.76		
2446.50	H	-56.14		
3262.00	H	-51.59		
Middle Channel				
1638.00	Vertical	-58.24	-13.00	Pass
2457.00	V	-55.06		
3276.00	V	-49.39		
1638.00	Horizontal	-59.39		
2457.00	H	-55.41		
3276.00	H	-50.34		
Highest Channel				
1645.00	Vertical	-58.89	-13.00	Pass
2467.50	V	-54.14		
3290.00	V	-50.58		
1645.00	Horizontal	-57.45		
2467.50	H	-54.14		
3290.00	H	-51.89		

Note:

1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.

2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.

LTE Band 26(part 90S), WB: 5MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
1633.00	Vertical	-59.16	-13.00	Pass
2449.50	V	-56.28		
3266.00	V	-51.34		
1633.00	Horizontal	-59.51		
2449.50	H	-56.06		
3266.00	H	-51.48		
Middle Channel				
1638.00	Vertical	-58.19	-13.00	Pass
2457.00	V	-55.56		
3276.00	V	-49.42		
1638.00	Horizontal	-59.24		
2457.00	H	-55.39		
3276.00	H	-50.76		
Highest Channel				
1643.00	Vertical	-58.14	-13.00	Pass
2464.50	V	-54.58		
3286.00	V	-50.44		
1643.00	Horizontal	-57.05		
2464.50	H	-54.24		
3286.00	H	-51.89		

Note:

1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.

2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.

LTE Band 26(part 90S), WB: 10MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Middle Channel				
1638.00	Vertical	-57.89	-13.00	Pass
2457.00	V	-55.24		
3276.00	V	-50.76		
1638.00	Horizontal	-58.44		
2457.00	H	-54.42		
3276.00	H	-51.99		
Note: *1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.* *2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.*				

LTE Band 26(part 90S), WB: 15MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
1643.00	Vertical	-58.31	-13.00	Pass
2464.50	V	-56.22		
3286.00	V	-51.71		
1643.00	Horizontal	-58.48		
2464.50	H	-55.44		
3286.00	H	-50.43		
Note: *1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.* *2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.*				

LTE Band 41 part:

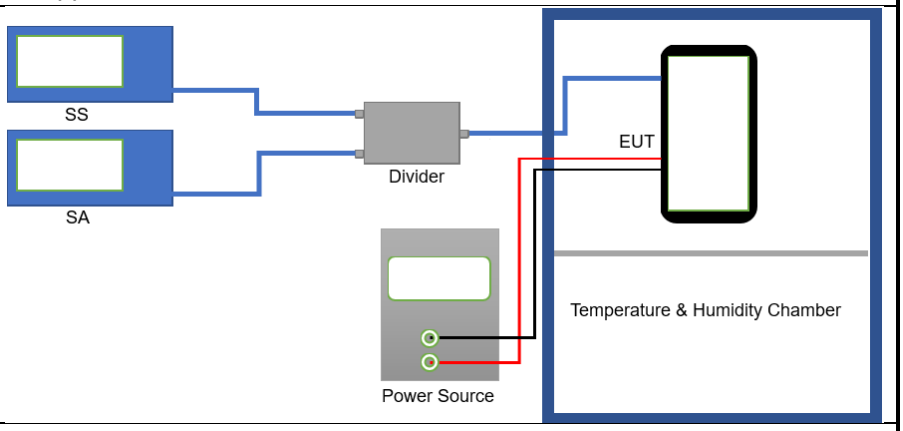
LTE Band 41, WB: 5MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
5115.00	Vertical	-45.88	-25.00	Pass
7672.50	V	-40.23		
10230.00	V	-38.41		
5115.00	Horizontal	-46.78		
7672.50	H	-39.78		
10230.00	H	-37.77		
Middle Channel				
5210.00	Vertical	-46.78	-25.00	Pass
7815.00	V	-39.78		
10420.00	V	-38.65		
5210.00	Horizontal	-46.65		
7815.00	H	-39.56		
10420.00	H	-37.63		
Highest Channel				
5305.00	Vertical	-45.41	-25.00	Pass
7957.50	V	-39.66		
10610.00	V	-38.63		
5305.00	Horizontal	-47.69		
7957.50	H	-40.73		
10610.00	H	-38.05		

Note:

5. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.

6. *For above 1 GHz, all test modes were performed, and just the worst case shown in the report.*

6.6 Frequency stability V.S. Temperature measurement

Test Requirement:	Part 22.355, Part 24.235, Part 27.54, Part 2.1055(a)(1)(b)
Test Method:	ANSI/TIA-603-D 2010
Limit:	±2.5ppm
Test setup:	
Test procedure:	1. The equipment under test was connected to an external DC power supply and input rated voltage. 2. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. 3. The EUT was placed inside the temperature chamber. 4. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 25℃ operating frequency as reference frequency. 5. Turn EUT off and set the chamber temperature to –30℃. After the temperature stabilized for approximately 30 minutes recorded the frequency. 6. Repeat step measure with 10℃ increased per stage until the highest temperature of +50℃ reached
Test Instruments:	Refer to section 5.9 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

Measurement Data (worst case):

LTE Band 4 part:

Reference Frequency: LTE Band 4 (10MHz) Middle channel=20175 channel=1732.50MHz					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
3.85	-30	196	0.113131	±2.5	Pass
	-20	153	0.088312		
	-10	161	0.092929		
	0	121	0.069841		
	10	186	0.107359		
	20	172	0.099278		
	30	112	0.064646		
	40	103	0.059452		
	50	148	0.085426		
16QAM					
3.85	-30	121	0.069841	±2.5	Pass
	-20	148	0.085426		
	-10	164	0.094661		
	0	120	0.069264		
	10	142	0.081962		
	20	138	0.079654		
	30	154	0.088889		
	40	131	0.075613		
	50	136	0.078499		
Note: Only the worst case shown in the report.					

LTE Band 7 part:

Reference Frequency: LTE Band 7 (10MHz) Middle channel=21100 Frequency=2535.00MHz					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
3.85	-30	197	0.0777120	±2.5	Pass
	-20	154	0.0607495		
	-10	162	0.0639053		
	0	122	0.0481262		
	10	187	0.0737673		
	20	173	0.0682446		
	30	113	0.0445759		
	40	104	0.0410256		
	50	149	0.0587771		
16QAM					
3.85	-30	122	0.0481262	±2.5	Pass
	-20	149	0.0587771		
	-10	165	0.0650888		
	0	121	0.0477318		
	10	143	0.0564103		
	20	139	0.0548323		
	30	155	0.0611440		
	40	132	0.0520710		
	50	137	0.0540434		
Note: Only the worst case shown in the report.					

LTE Band 12 part:

Reference Frequency: LTE Band 12 (10MHz) Middle channel=23095 channel=707.50MHz					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
3.85	-30	195	0.275618	±2.5	Pass
	-20	152	0.214841		
	-10	160	0.226148		
	0	120	0.169611		
	10	185	0.261484		
	20	171	0.241696		
	30	111	0.156890		
	40	102	0.144170		
	50	147	0.207774		
16QAM					
3.85	-30	120	0.169611	±2.5	Pass
	-20	147	0.207774		
	-10	163	0.230389		
	0	119	0.168198		
	10	141	0.199293		
	20	137	0.193640		
	30	153	0.216254		
	40	130	0.183746		
	50	135	0.190813		
Note: Only the worst case shown in the report.					

LTE Band 13 part:

Reference Frequency: LTE Band 13 (10MHz) Middle channel=23230 channel=782.00MHz					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
3.85	-30	193	0.2468031	±2.5	Pass
	-20	150	0.1918159		
	-10	158	0.2020460		
	0	118	0.1508951		
	10	183	0.2340153		
	20	169	0.2161125		
	30	109	0.1393862		
	40	100	0.1278772		
	50	145	0.1854220		
16QAM					
3.85	-30	118	0.1508951	±2.5	Pass
	-20	145	0.1854220		
	-10	161	0.2058824		
	0	117	0.1496164		
	10	139	0.1777494		
	20	135	0.1726343		
	30	151	0.1930946		
	40	128	0.1636829		
	50	133	0.1700767		
Note: Only the worst case shown in the report.					

LTE Band 17 part:

Reference Frequency: LTE Band 17 (10MHz) Middle channel=23790 channel=710.00MHz					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
3.85	-30	199	0.280282	±2.5	Pass
	-20	156	0.219718		
	-10	164	0.230986		
	0	124	0.174648		
	10	189	0.266197		
	20	175	0.246479		
	30	115	0.161972		
	40	106	0.149296		
	50	151	0.212676		
16QAM					
3.85	-30	124	0.174648	±2.5	Pass
	-20	151	0.212676		
	-10	167	0.235211		
	0	123	0.173239		
	10	145	0.204225		
	20	141	0.198592		
	30	157	0.221127		
	40	134	0.188732		
	50	139	0.195775		
Note: Only the worst case shown in the report.					

LTE Band 25 part:

Reference Frequency: LTE Band 25 (10MHz) Middle channel=26365 channel=1882.5MHz					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
3.85	-30	180	0.095618	±2.5	Pass
	-20	169	0.089774		
	-10	167	0.088712		
	0	117	0.062151		
	10	134	0.071182		
	20	168	0.089243		
	30	108	0.057371		
	40	158	0.083931		
	50	144	0.076494		
16QAM					
3.85	-30	175	0.092961	±2.5	Pass
	-20	148	0.078619		
	-10	142	0.075432		
	0	120	0.063745		
	10	159	0.084462		
	20	138	0.073307		
	30	154	0.081806		
	40	131	0.069588		
	50	138	0.073307		
Note: Only the worst case shown in the report.					

LTE Band 5&26(part 22H):

Reference Frequency: LTE Band 5&26(part 22H) (10MHz) Middle channel=26915 channel=836.5MHz					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
3.85	-30	187	0.223551	±2.5	Pass
	-20	133	0.158996		
	-10	159	0.190078		
	0	110	0.131500		
	10	166	0.198446		
	20	172	0.205619		
	30	110	0.131500		
	40	101	0.120741		
	50	151	0.180514		
16QAM					
3.85	-30	150	0.179319	±2.5	Pass
	-20	123	0.147041		
	-10	144	0.172146		
	0	122	0.145846		
	10	141	0.168559		
	20	140	0.167364		
	30	148	0.176928		
	40	133	0.158996		
	50	138	0.164973		
Note: Only the worst case shown in the report.					

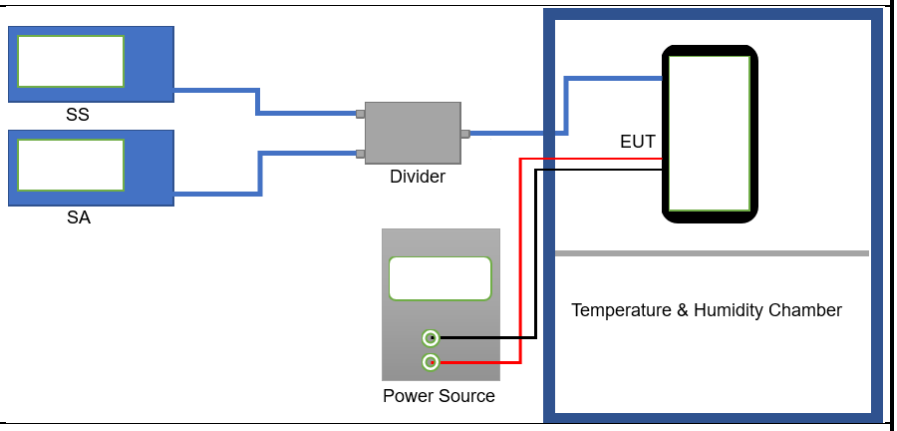
LTE Band 26(part 90S):

Reference Frequency: LTE Band 26(part 90S (10MHz) Middle channel=26740 channel=819.0MHz					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
3.85	-30	187	0.228327	±2.5	Pass
	-20	133	0.162393		
	-10	159	0.194139		
	0	114	0.139194		
	10	159	0.194139		
	20	167	0.203907		
	30	106	0.129426		
	40	102	0.124542		
	50	149	0.181929		
16QAM					
3.85	-30	150	0.183150	±2.5	Pass
	-20	123	0.150183		
	-10	138	0.168498		
	0	121	0.147741		
	10	137	0.167277		
	20	138	0.168498		
	30	139	0.169719		
	40	131	0.159951		
	50	112	0.136752		
Note: Only the worst case shown in the report.					

LTE Band 41:

Reference Frequency: LTE Band 41 (5MHz)Middle channel=40740 channel=2605.0MHz					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
3.85	-30	191	0.073660	±2.5	Pass
	-20	137	0.052835		
	-10	163	0.062862		
	0	118	0.045507		
	10	163	0.062862		
	20	171	0.065947		
	30	110	0.042422		
	40	106	0.040879		
	50	153	0.059005		
16QAM					
3.85	-30	154	0.059391	±2.5	Pass
	-20	127	0.048978		
	-10	142	0.054763		
	0	125	0.048207		
	10	141	0.054377		
	20	142	0.054763		
	30	143	0.055148		
	40	135	0.052063		
	50	116	0.044736		
Note: Only the worst case shown in the report.					

6.7 Frequency stability V.S. Voltage measurement

Test Requirement:	Part 22.355, Part 24.235, Part 27.54, Part 2.1055(d)(2)
Test Method:	ANSI/TIA-603-D 2010
Limit:	±2.5ppm
Test setup:	
Test procedure:	1. Set chamber temperature to 25℃. Use a variable DC power source to power the EUT and set the voltage to rated voltage. 2. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and recorded the frequency. 3. Reduce the input voltage to specify extreme voltage variation (+/- 15%) and endpoint, record the maximum frequency change.
Test Instruments:	Refer to section 5.9 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

Measurement Data (worst case):

LTE Band 4 part:

Reference Frequency: LTE Band 4(10MHz) Middle channel=20175 channel=1732.50MHz					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
25	4.40	94	0.054257	±2.5	Pass
	3.85	61	0.035209		
	3.50	70	0.040404		
16QAM					
25	4.40	78	0.045022	±2.5	Pass
	3.85	94	0.054257		
	3.50	46	0.026551		
Note: Only the worst case shown in the report.					

LTE Band 7 part:

Reference Frequency: LTE Band 7(10MHz) Middle channel=21100 Frequency=2535.00MHz					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
25	4.40	97	0.0382643	±2.5	Pass
	3.85	64	0.0252465		
	3.50	73	0.0287968		
16QAM					
25	4.40	79	0.0311637	±2.5	Pass
	3.85	95	0.0374753		
	3.50	47	0.0185404		
Note: Only the worst case shown in the report.					

LTE Band 12 part:

Reference Frequency: LTE Band 12(10MHz) Middle channel=23095 channel=707.50MHz					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
25	4.40	95	0.134276	±2.5	Pass
	3.85	62	0.087633		
	3.50	71	0.100353		
16QAM					
25	4.40	77	0.108834	±2.5	Pass
	3.85	93	0.131449		
	3.50	45	0.063604		
Note: Only the worst case shown in the report.					

LTE Band 13 part:

Reference Frequency: LTE Band 13(10MHz) Middle channel=23230 Frequency=782.00MHz					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
25	4.40	96	0.1227621	±2.5	Pass
	3.85	63	0.0805627		
	3.50	72	0.0920716		
16QAM					
25	4.40	78	0.0997442	±2.5	Pass
	3.85	94	0.1202046		
	3.50	46	0.0588235		
Note: Only the worst case shown in the report.					

LTE Band 17 part:

Reference Frequency: LTE Band 17(10MHz) Middle channel=23790 channel=710.00MHz					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
25	4.40	99	0.139437	±2.5	Pass
	3.85	66	0.092958		
	3.50	75	0.105634		
16QAM					
25	4.40	81	0.114085	±2.5	Pass
	3.85	97	0.136620		
	3.50	49	0.069014		
Note: Only the worst case shown in the report.					

LTE Band 25 part:

Reference Frequency: LTE Band 25(10MHz) Middle channel=26365 channel=1882.5MHz					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
25	4.40	51	0.027092	±2.5	Pass
	3.85	90	0.047809		
	3.50	62	0.032935		
16QAM					
25	4.40	79	0.041965	±2.5	Pass
	3.85	77	0.040903		
	3.50	61	0.032404		
Note: Only the worst case shown in the report.					

LTE Band 5&26(part 22H):

Reference Frequency: LTE Band 5&26(part 22H) (10MHz) Middle channel=26915 channel=836.5MHz					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
25	4.40	43	0.051405	±2.5	Pass
	3.85	91	0.108787		
	3.50	62	0.074118		
16QAM					
25	4.35	88	0.105198	±2.5	Pass
	3.80	92	0.109979		
	3.50	62	0.074117		
Note: Only the worst case shown in the report.					

LTE Band 26(part 90S):

Reference Frequency: LTE Band 26(part 90S) (10MHz) Middle channel=26740 channel=819.0MHz					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
25	4.40	44	0.053724	±2.5	Pass
	3.85	91	0.111111		
	3.50	59	0.072039		
16QAM					
25	4.40	87	0.106227	±2.5	Pass
	3.85	94	0.114774		
	3.50	51	0.062271		
Note: Only the worst case shown in the report.					

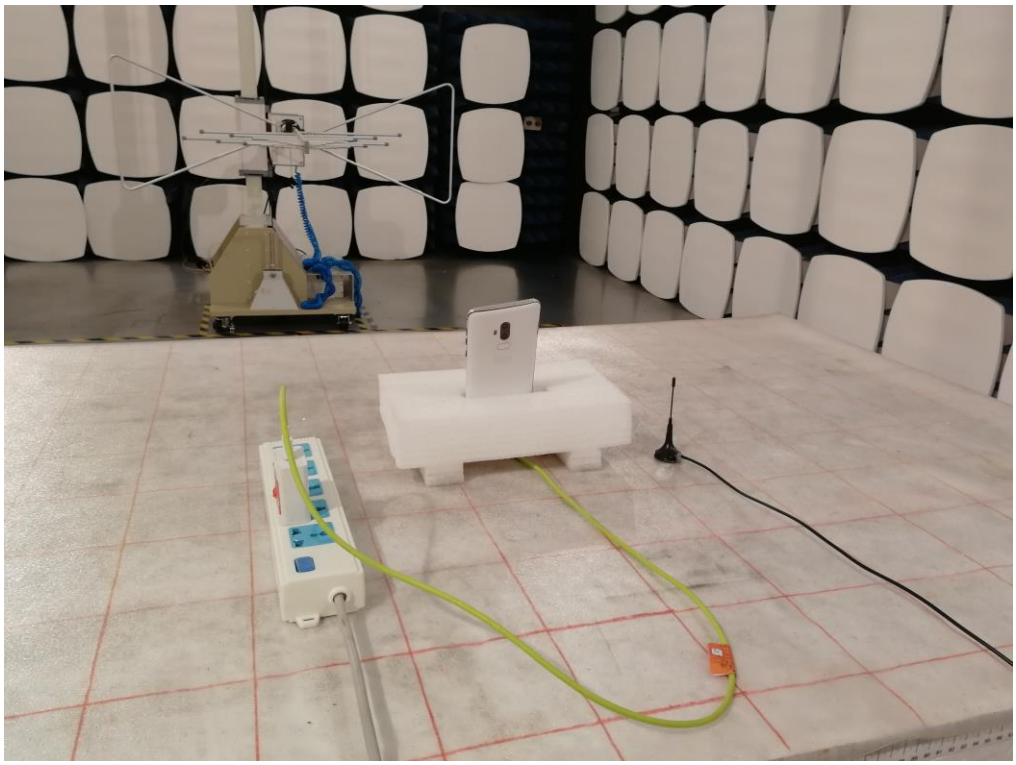
LTE Band 41:

Reference Frequency: LTE Band 41 (10MHz) Middle channel=40740 channel=2605.0MHz					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
25	4.40	100	0.038565	±2.5	Pass
	3.85	64	0.024682		
	3.50	73	0.028153		
16QAM					
25	4.40	82	0.031624	±2.5	Pass
	3.85	98	0.037794		
	3.50	50	0.019283		
Note: Only the worst case shown in the report.					

7 Test Setup Photo

Radiated Spurious Emission

Below 1GHz



Above 1GHz